INTEGRATED AV AMPLIFIER

KA-896/996

SERVICE MANUAL

KENWOOD

KENW -05249

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B51-5127-00 (K) 1495

Photo is KA-896.

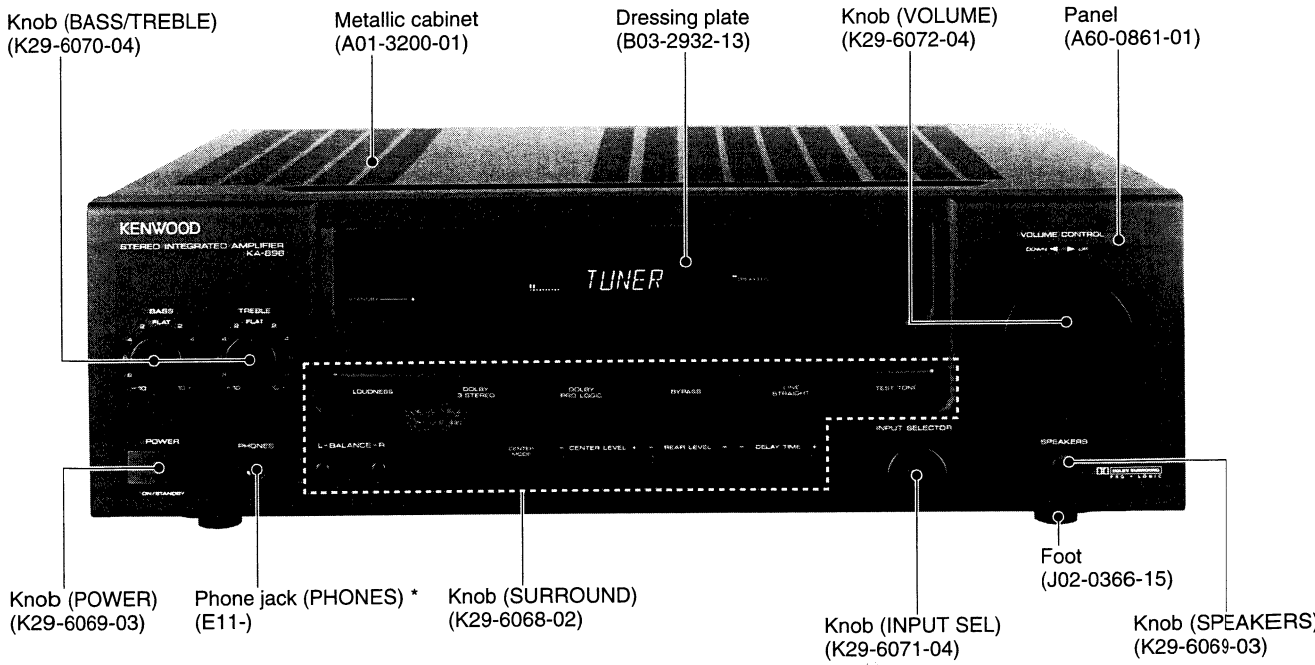
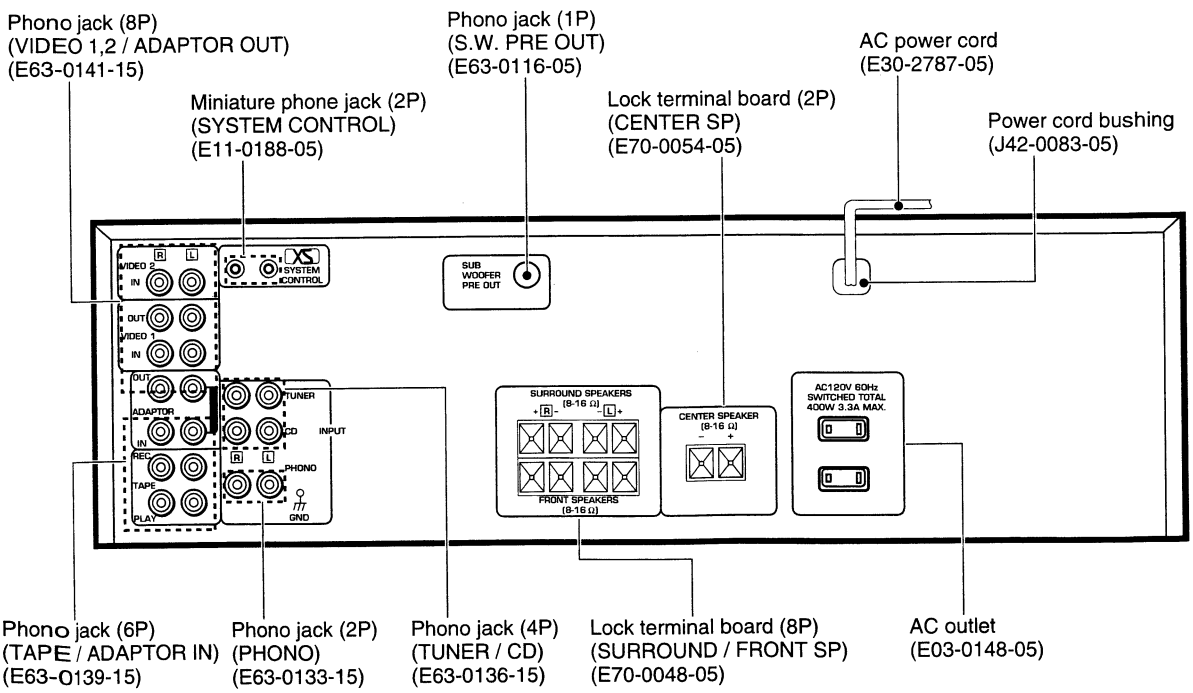


Illustration is KA-896.



*** Refer to parts list on page 24.**

5249

KA-896/996

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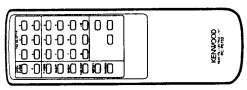
For "CIRCUIT DESCRIPTION", refer to the Service Manual of KA-894/994/V3700.

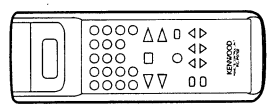
Accessories

Remote control unit (1)
(A70-0974-05: KA-896)



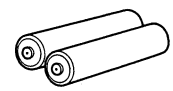
Battery cover: (A09-0170-08)

Remote control unit (1)
(A70-0961-05: KA-996 Singapore/Malaysia made)
(A70-1017-05: KA-996 China made)



Battery cover: (A09-0169-08)

Batteries (R6/AA) (2)



EXTERNAL VIEW

Photo is KA-996.

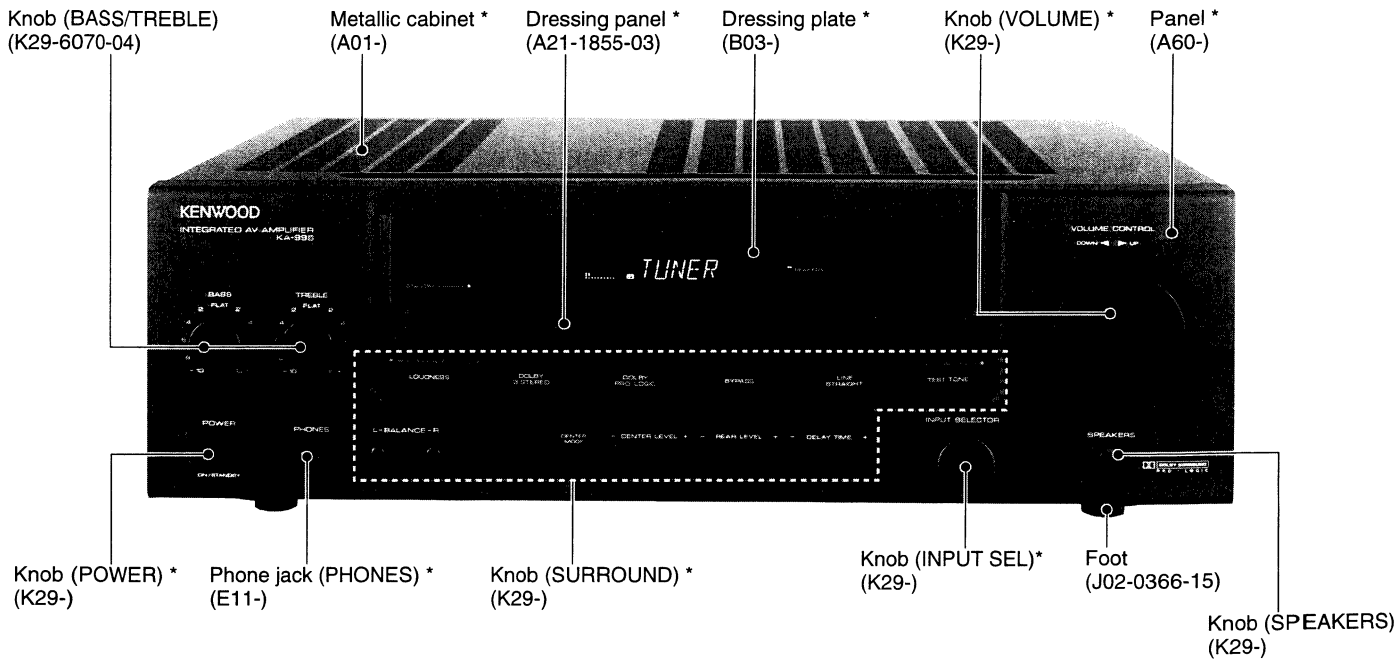
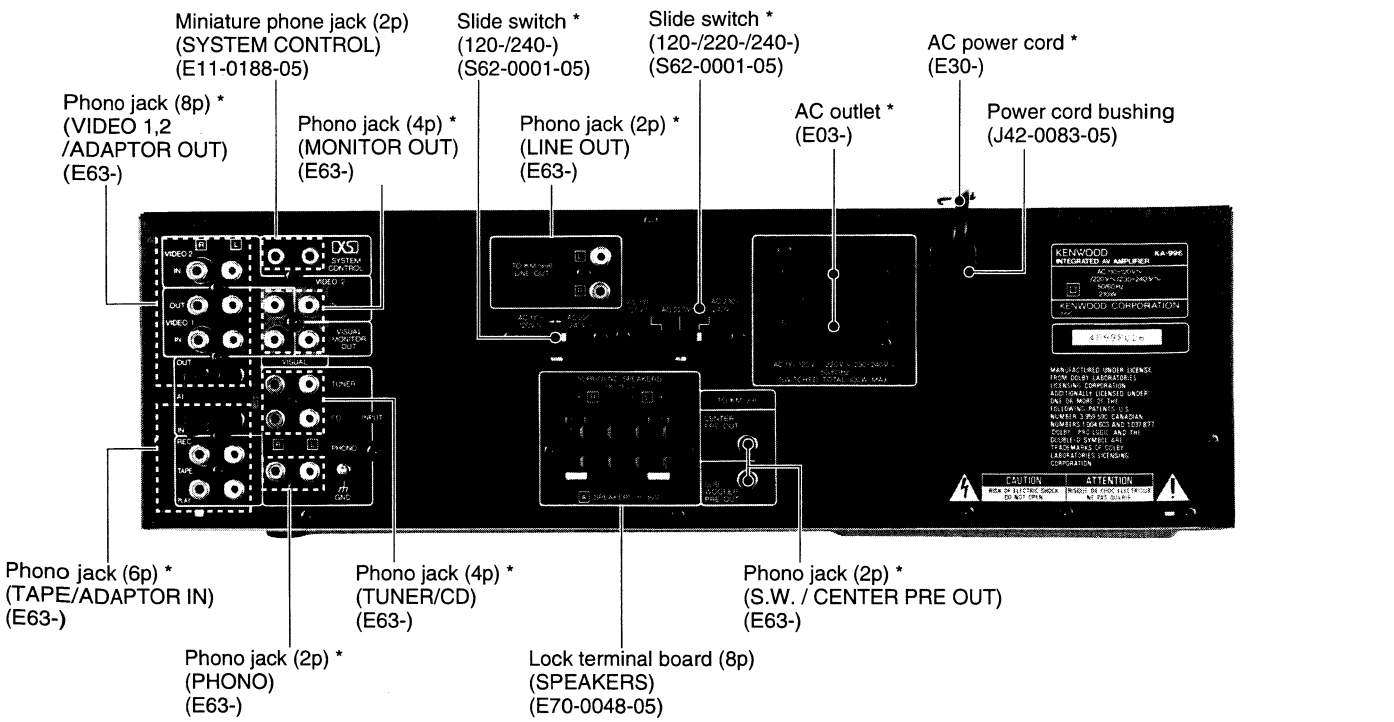


Photo is KA-996.



*Refer to parts list on page 24.

KA-896/996

ADJUSTMENT/AJUSTES

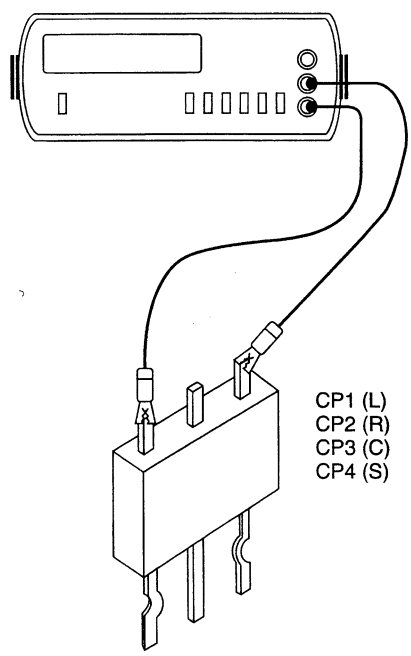
ENGLISH

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following: **POWER : ON SELECTOR : CD (NO SIGNAL) SURROUND : PRO LOGIC**							
1	IDLE CURRENT	–	Connect a DC voltmeter across CP1 (L) CP2 (R) CP3 (C) CP4 (S) (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	13.2 mV	(a)
					VR3 (C) VR4 (S) (X09-)	10 mV~ 13.2 mV	

ESPANÓL

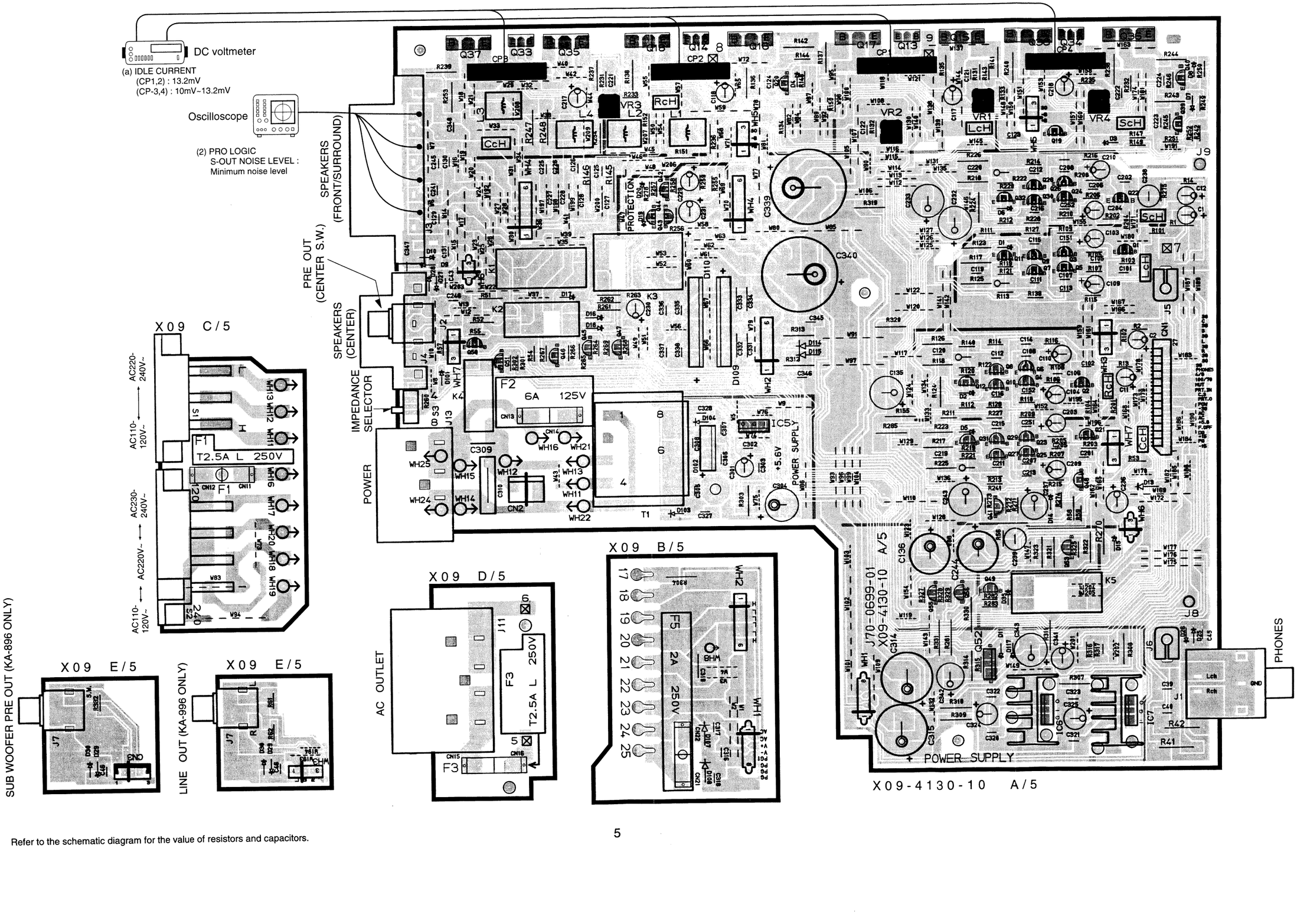
N.°	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL AMPLIFICADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
A menos que se especifique otra cosa, los controles individuales deberán ajustrarse de la forma siguiente: **POWER : ON SELECTOR : CD (NO SIGNAL) SURROUND : PRO LOGIC**							
1	OCIOSA CORRIENTE	–	Conecte un voltímetro de CC entre CP1 (L) CP2 (R) CP3 (C) CP4 (S) (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	13.2 mV	(a)
					VR3 (C) VR4 (S) (X09-)	10 mV~ 13.2 mV	

(a) DC Voltmeter



PC BOARD(COMPONENT SIDE VIEW)

AUDIO UNIT X09-4130-10 (KA-896/K,P)
X09-4140-10 (KA-996/K,P)
X09-397X-XX (KA-996/2-91:Y, 0-71:X)

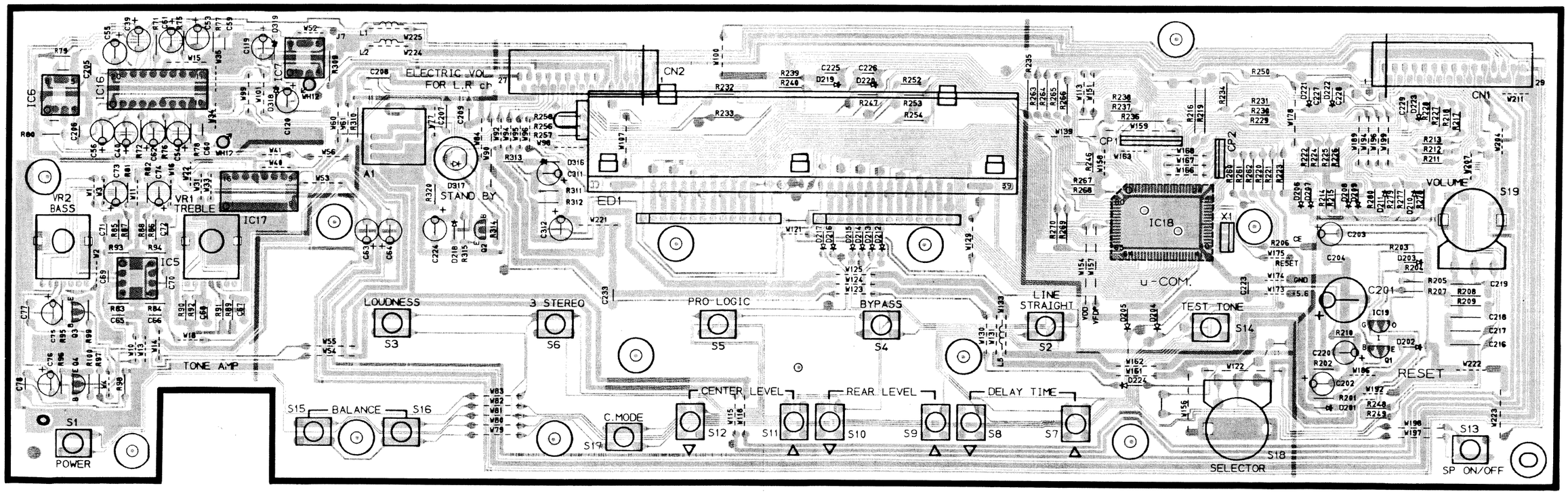


Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW)

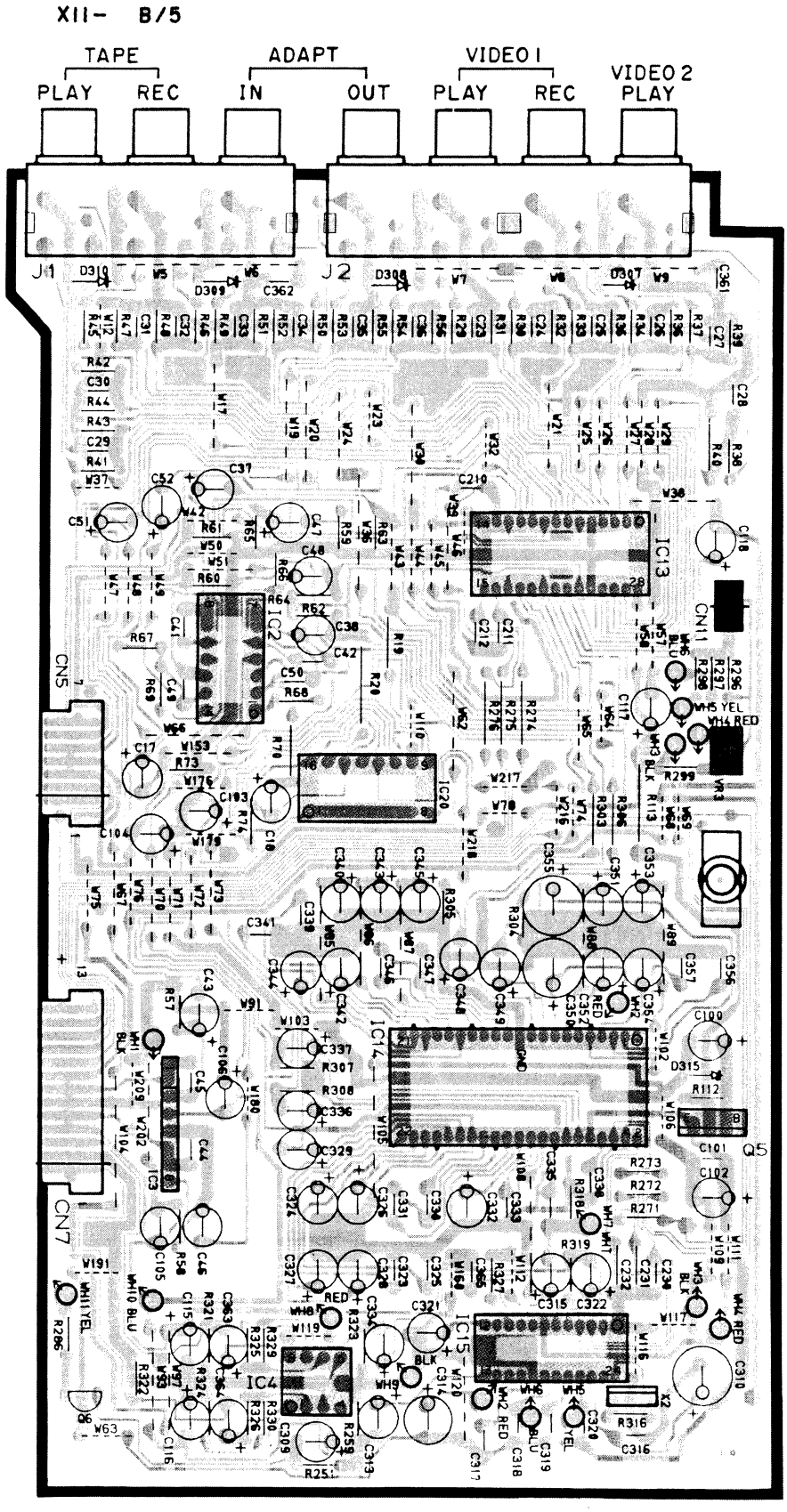
CONTROL UNIT X11-3580-11 (KA-896/K,P)
X11-3580-10 (KA-996/K,P)
X11-3500-10 (KA-996/Y,X)

X11-3580-10 A/5



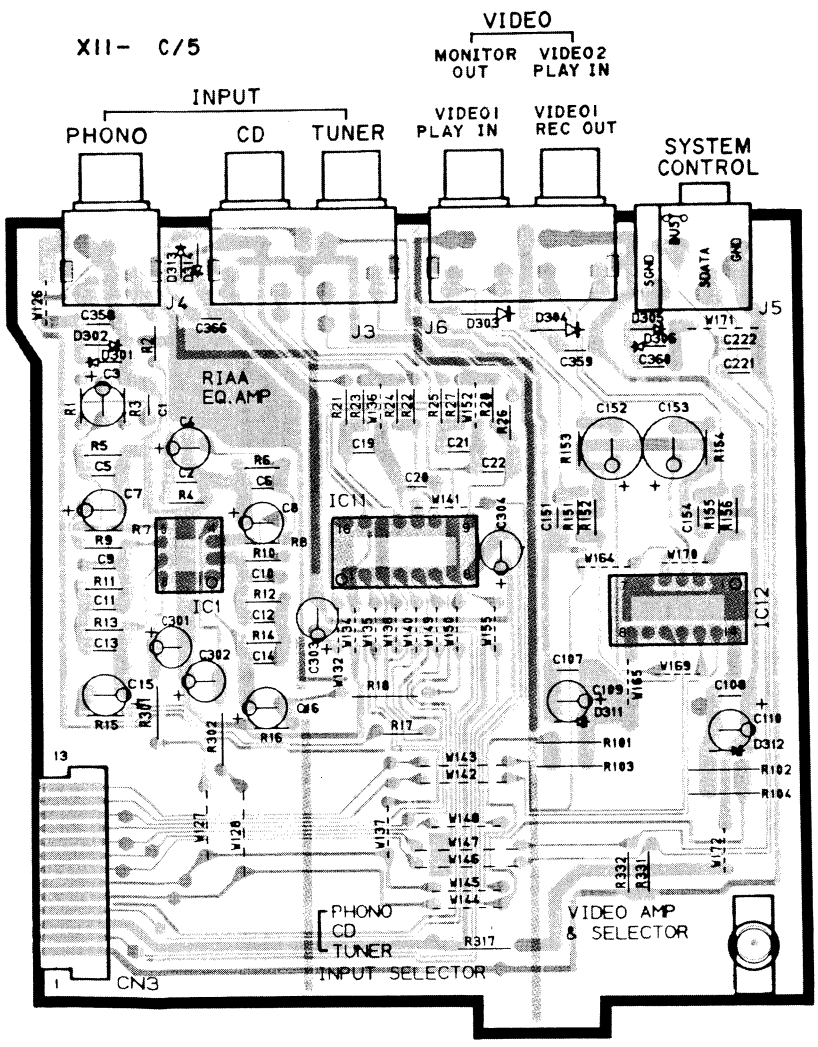
Refer to the schematic diagram for the value of resistors and capacitors.

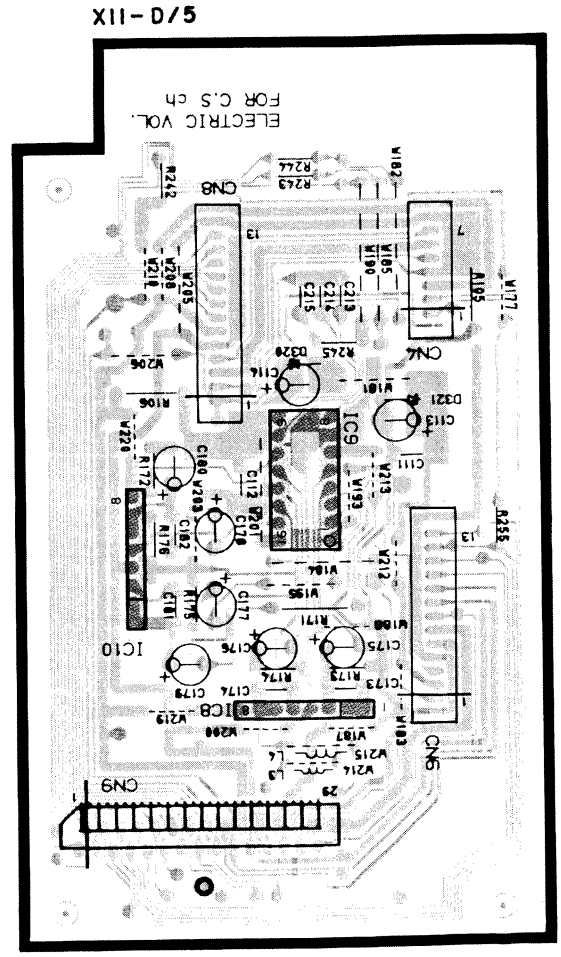
PC BOARD(COMPONENT SIDE VIEW)



Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW)

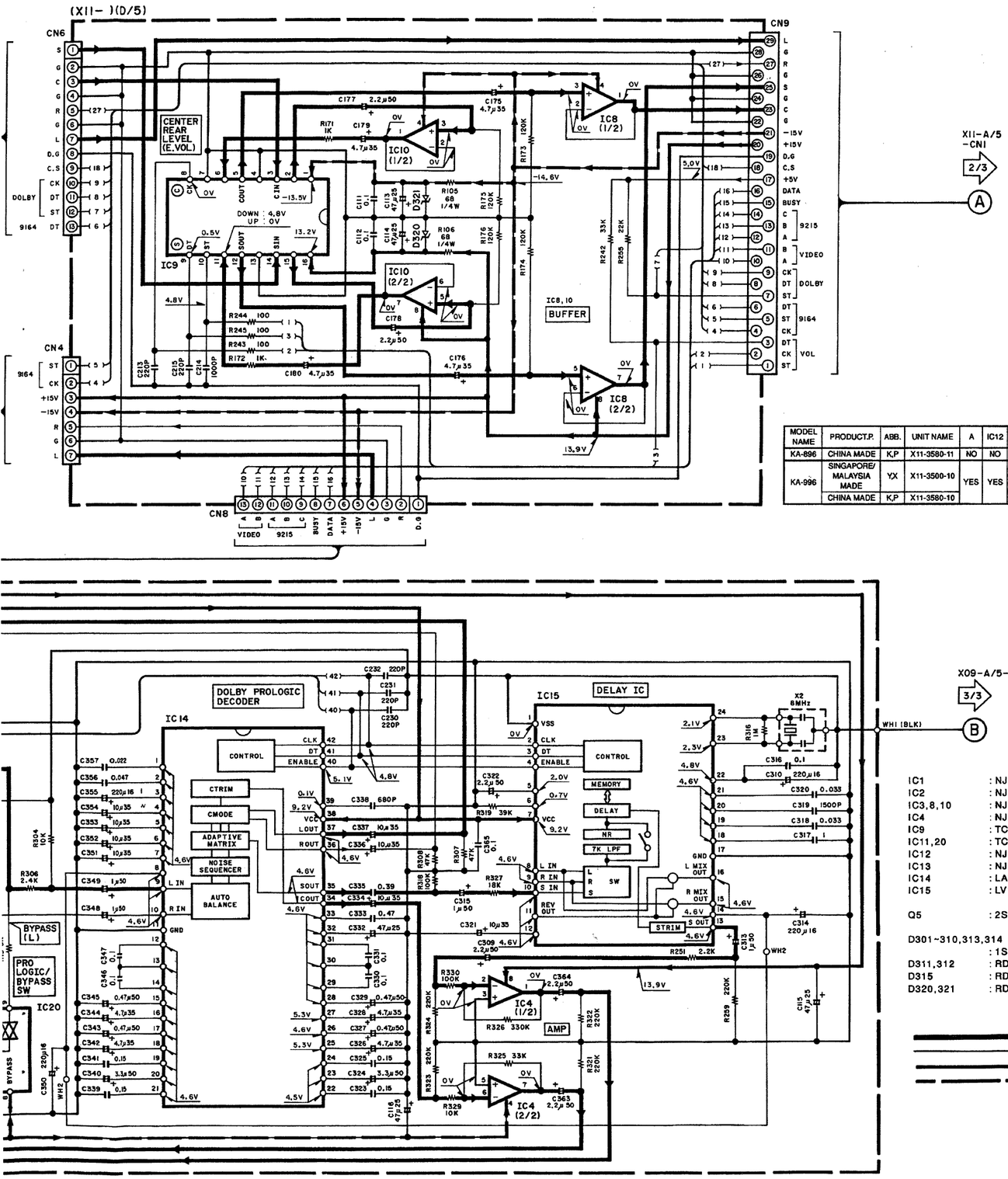




Refer to the schematic diagram for the value of resistors and capacitors.

(XII-3500-10)(C/5) : SINGAPORE/MALAYSIA MADE
(XII-3580-XX)(C/5) : CHINA MADE

(AUDIO)
PHONO
CD
TUNER
(VIDEO)
MONITOR OUT
VIDEO 1 PLAY IN
VIDEO 2 PLAY IN
VIDEO 1 REC OUT
IC1 (1/2)
PRE EQ.
IC1 (2/2)
IC11
INPUT SELECTOR
*IC12
VIDEO SELECTOR
CN3
SYSTEM CONTROL
BUSY
DATA
(XII-)(D/5)
CN6
CENTER REAR LEVEL (E.VOL)
IC9
CN4
CN8
(XII-)(B/5)
VIDEO2 PLAY
VIDEO1 PLAY
REC
OUT
ADAPT
IN
TAPE
IC13
INPUT SELECTOR
VIDEO 2P
VIDEO 1P
TAPE P
VIDEO 1R
TAPE R
DOLBY
BYPASS
CN7
CN5
IC2 (1/4)
IC2 (2/4)
IC2 (3/4)
IC2(4/4)
IC3 (1/2)
IC3 (2/2)
BUFFER
AMP
9V AVR
Q5
DOLBY PROLOGIC DECODER
IC14
CONTROL
CTRIM
CMODE
ADAPTIVE MATRIX
NOISE SEQUENCER
AUTO BALANCE
BYPASS(R)
BYPASS(L)
PRO LOGIC/ BYPASS SW
IC20



MODEL NAME	PRODUCT.P.	ABB.	UNIT NAME	A	IC12	D311, 312	C107~110	R101~104, 317
KA-896	CHINA MADE	K,P	X11-3580-11	NO	NO	NO	NO	NO
KA-996	SINGAPORE/ MALAYSIA MADE	Y,X	X11-3500-10	YES	YES	YES	YES	YES
	CHINA MADE	K,P	X11-3580-10					

IC1 : NJM4580D-D
IC2 : NJM2058D
IC3,8,10 : NJM4580L
IC4 : NJM4558D
IC9 : TC9213P
IC11,20 : TC9215P
IC12 : NJM2279D
IC13 : NJU7313AL or TC9164N
IC14 : LA2785
IC15 : LV1011

Q5 : 2SD2061(E,F) or 2SD2012

D301~310,313,314 : 1SS133 or HSS104
D311,312 : RD5.1ES(B2) or HZS5.1N(B2)
D315 : RD10ES(B2) or HZS10N(B2)
D320,321 : RD13ES(B2) or HZS13N(B2)

SIGNAL LINE
GND LINE
+B LINE
-B LINE

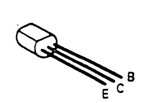
KA-896/996 (1/3)

CAUTION: *For continued safety, re*
with manufacturer's recommended p
safety critical components. For con
replace only with same type and r
electric shock, leakage-current or
carried out (exposed parts are accep
before the appliance is returned to th

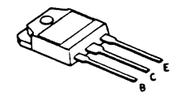
The DC voltage is an actual reading
voltmeter with no signal input. T
depending on the measuring instrum

2SA1123
2SA1124
2SA992
2SC1845
2SC2003
2SC2631

2SC2632
2SC2878



2SB1493BT
2SD2255BT

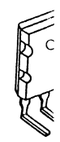


2SA117
2SC278

2SB1370
2SD2061

2SB1375
2SD2012

2SB15
2SD24



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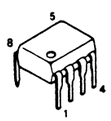

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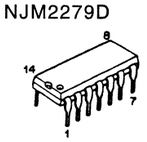
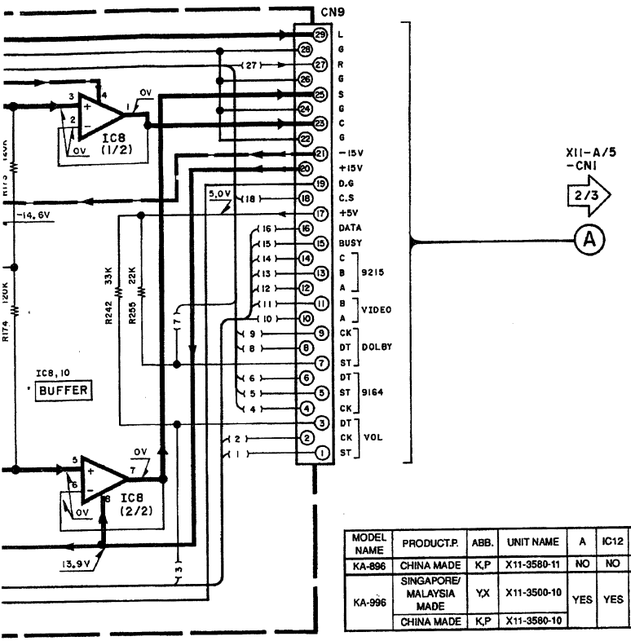
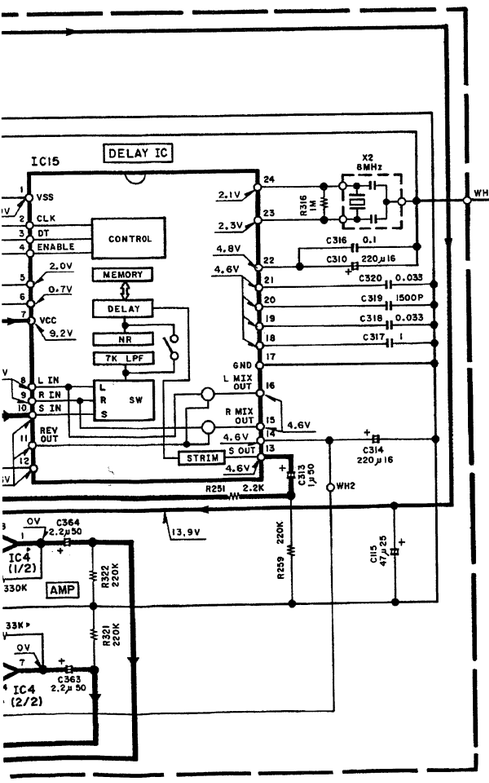
NJM2279D



TC92
TC92
TC92



MODEL NAME	PRODUCT.P.	ABB.	UNIT NAME	A	IC12	D311, 312	C107-110	R101-104, 317
KA-896	CHINA MADE	K,P	X11-3580-11	NO	NO	NO	NO	NO
KA-996	SINGAPORE/ MALAYSIA MADE	Y,X	X11-3500-10	YES	YES	YES	YES	YES
	CHINA MADE	K,P	X11-3580-10					



IC1	: NJM4580D-D
IC2	: NJM2058D
IC3,8,10	: NJM4580L
IC4	: NJM4558D
IC9	: TC9213P
IC11,20	: TC9215P
IC12	: NJM2279D
IC13	: NJU7313AL or TC9164N
IC14	: LA2785
IC15	: LV1011
Q5	: 2SD2061(E,F) or 2SD2012
D301-310,313,314	: 1SS133 or HSS104
D311,312	: RD5.1ES(B2) or HZS5.1N(B2)
D315	: RD10ES(B2) or HZS10N(B2)
D320,321	: RD13ES(B2) or HZS13N(B2)

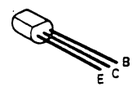
SIGNAL LINE
GND LINE
+B LINE
-B LINE

KA-896/996 (1/3)

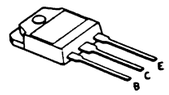
CAUTION: *For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.*

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

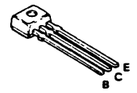
2SA1123
2SA1124
2SA992
2SC1845
2SC2003
2SC2631
2SC2632
2SC2878



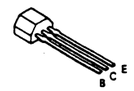
2SB1493BT
2SD2255BT



2SA1175
2SC2785



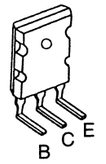
2SA933S
2SC1740S



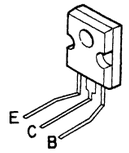
2SB1370
2SD2061

2SB1375
2SD2012

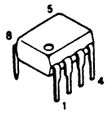
2SB1594LB
2SD2449LB



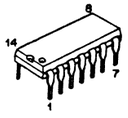
2SC4137F19



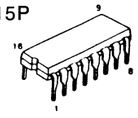
NJM4558D



NJM2058D
NJM2279D



TC9212P
TC9213P
TC9215P



Y08-5370-10

KA-896/996

KENWOOD

(XII-3500-10)(A/5) : SINGAPORE/MALAYSIA MADE
(XII-3580-XX)(A/5) : CHINA MADE

k j h g f e d c b a

S

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
a	a		a	a	a	a	a	a	a	a	a
b	b		b	b	b	b	b	b	b	b	b
c	c		c	c	c	c	c	c	c	c	c
d	d		d	d	d	d	d	d	d	d	d
e	e		e	e	e	e	e	e	e	e	e
f	f		f	f	f	f	f	f	f	f	f
g	g		g	g	g	g	g	g	g	g	g
h	h		h	h	h	h	h	h	h	h	h
j	j	LOUDNESS	j	j	j	j	j	j	j	j	j
k	k	LINE STRAIGHT	k	k	k	k	k	k	k	k	k
m	MUTING	TAPE2	m	m	m	m	m	m	m	m	m
n	3 STEREO	V2	n	n	n	n	n	n	n	n	n
p	SURROUND	V1	p	p	p	p	p	p	p	p	p
r		ms	r	r	r	r	r	r	r	r	r
s	S	dB									
t											

MODEL NAME	PRODUCT.P.	ABB.	UNIT NAME	D204, 205
KA-896	CHINA MADE	K,P	X11-3580-11	NO
KA-996	SINGAPORE/ MALAYSIA MADE	Y,X	X11-3500-10	YES
	CHINA MADE	K,P	X11-3580-10	

IC5 : NJM4558D
IC6,7 : NJM4580D
IC16 : TC9212P
IC17 : TC9215P
IC18 : CXP82320-162Q
IC19 : S-80740AL

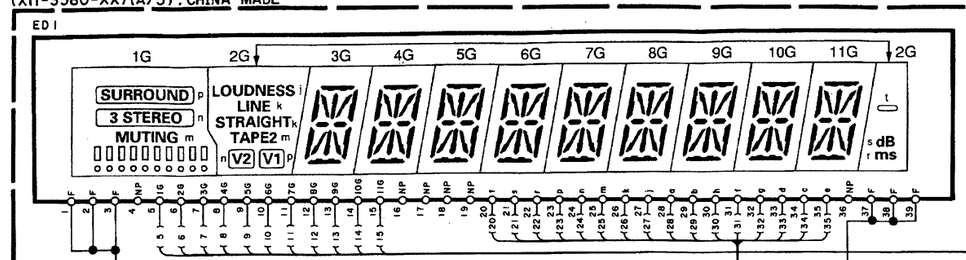
Q1~4 : 2SC1740S(Q,R) or 2SC2785(F,E)

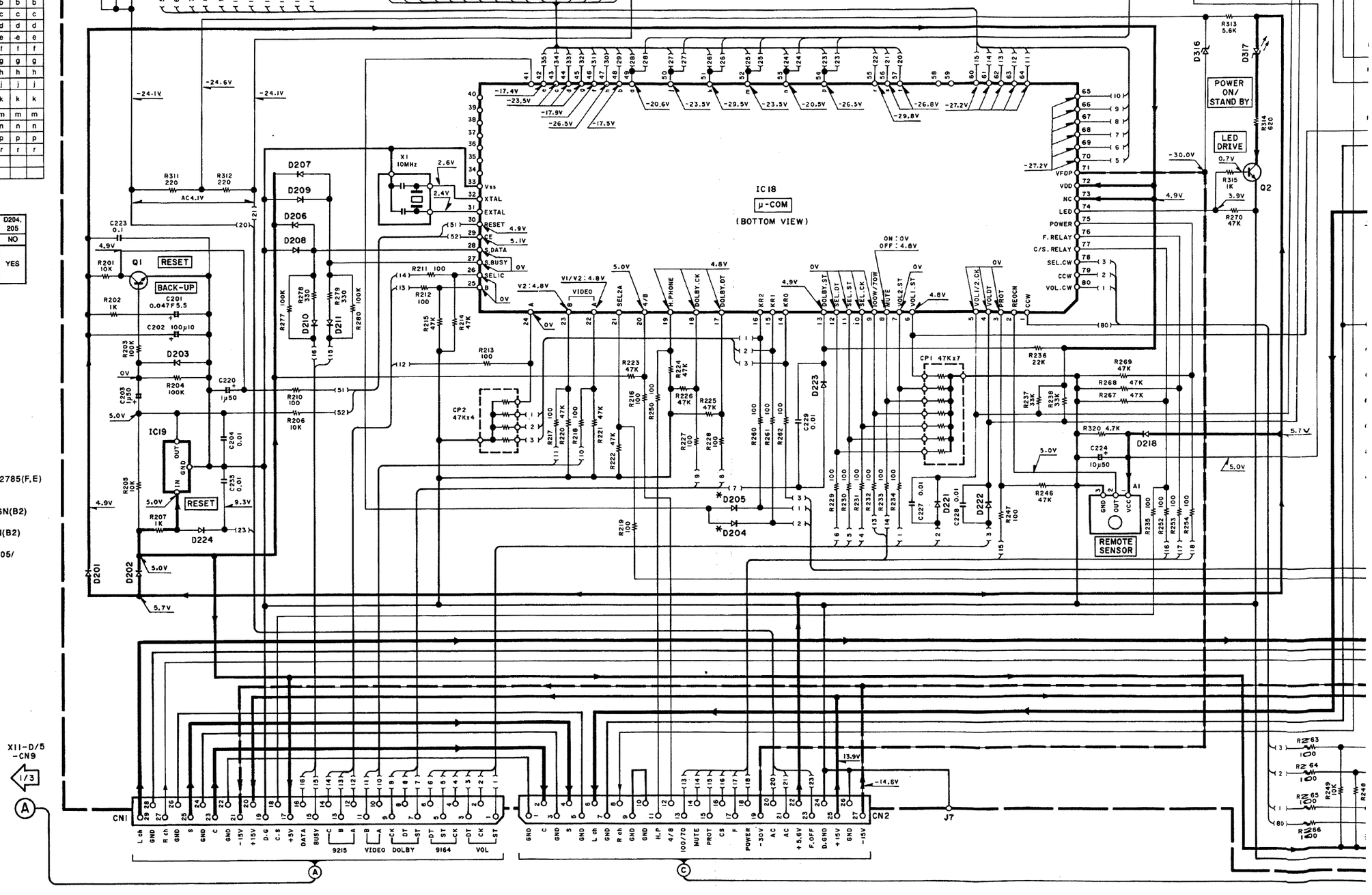
D201~224 : 1SS133 or HSS104
D316 : RD5.6ES(B2) or HZS5.6N(B2)
D317 : B30-2461-05
D318,319 : RD13ES(B2) or HZS13N(B2)

A1 : W02-1174-05/W02-1188-05/ W02-1046-05

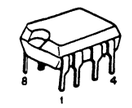
ED1 : FIP11SM8R

SIGNAL LINE
GND LINE
+B LINE
−B LINE

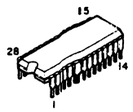




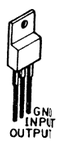
NJM4580D
NJM4580D-D
NJM4580L



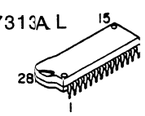
TC9164N



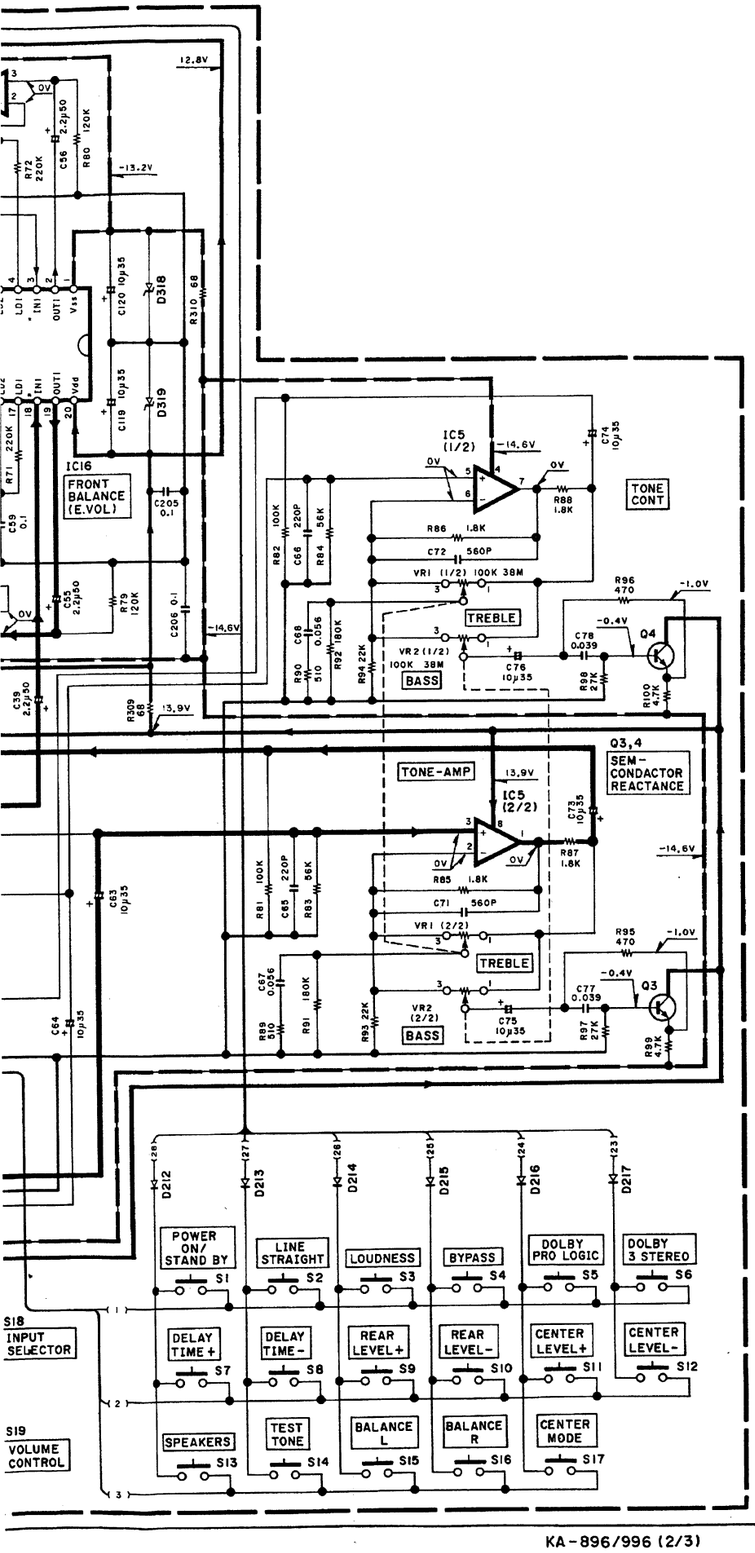
TA79015S



NJU7313A L



KA-896/996 (2/3)

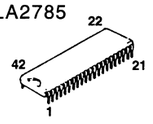


CAUTION: *For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.*

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

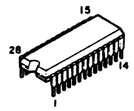
NJM4580D
NJM4580D-D
NJM4580L

LA2785

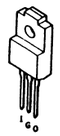


UPC7815AHF

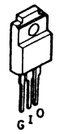
TC9164N



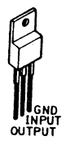
TA7815S



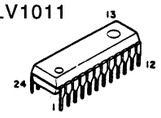
UPC7915HF



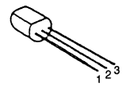
TA79015S



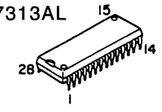
LV1011



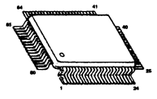
S-80740AL



NJU7313AL



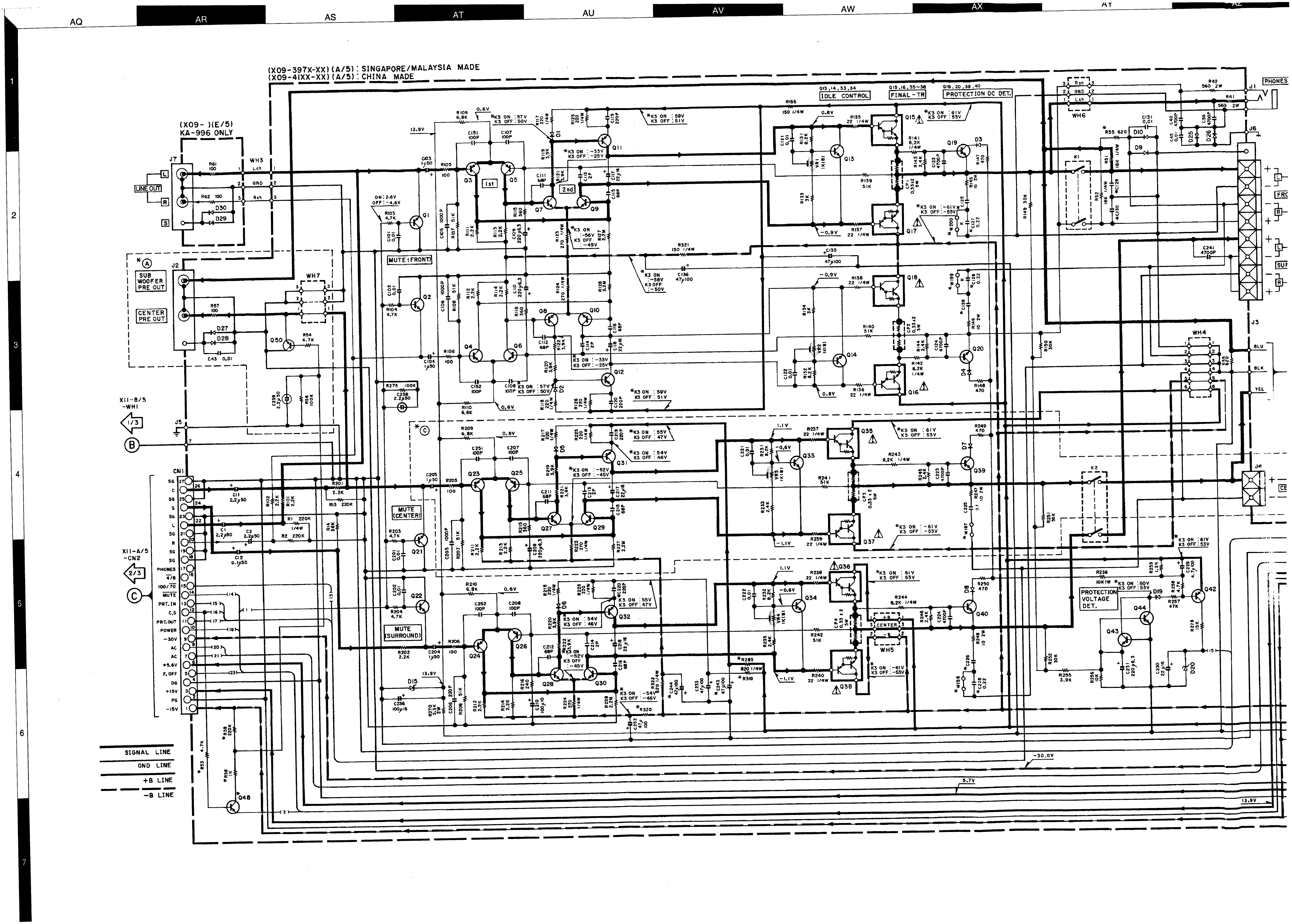
CXP82320-162Q



Y08-5370-10

KA-896/996

KENWOOD



AQ AR AS AT AU AV AW AX AY AZ
(X09-397X-XX) (A/5) : SINGAPORE/MALAYSIA MADE
(X09-41XX-XX) (A/5) : CHINA MADE
(X09-) (E/5)
KA-996 ONLY
J7
LINE OUT
L
R
S
WH3
Lch
GND
Rch
R61 100
R62 100
D30
D29
*A
SUB WOOFER PRE OUT
CENTER PRE OUT
J2
WH7
R57 100
D27
D28
C43 0.01
Q50
R54 4.7K
C239 2.2μ50
R56 100K
X11-B/5 -WH1
1/3
B
J5
CN1
SG
C
S
L
R
PHONES
4/8
100/70
MUTE
PRT.IN
C.S
PRT.OUT
POWER
-30V
AC
+5.6V
F.OFF
DG
+15V
PG
-15V
X11-A/5 -CN2
2/3
C
C11 2.2μ50
C1 2.2μ50
C2 2.2μ50
C12 0.1μ50
R1 220K 1/4W
R2 220K
R13 220K
R14 56K
R101 2.2K
R102 2.2K
R201 2.2K
SIGNAL LINE
GND LINE
+B LINE
-B LINE
*R53 4.7K
*R59 220K
*R58 1K
*Q48
13.9V
ON : 2.6V
OFF : -4.6V
R103 4.7K
Q1
C101 0.01
MUTE (FRONT)
C102 0.01
Q2
R104 4.7K
R275 100K
C238 2.2μ50
C103 1μ50
R105 100
R109 6.8K
0.6V
C151 100P
C107 100P
Q3
Q5
1st
Q7
Q9
2nd
Q11
D1
R117 220 1/4W
R125 220 1/4W
C119 220P
*K3 ON : 57V
K3 OFF : 50V
*K3 ON : 59V
K3 OFF : 51V
*K3 ON : -33V
K3 OFF : -25V
*K3 ON : -56V
K3 OFF : -49V
R321 150 1/4W
C135 47μ100
C136 47μ100
*K3 ON : -58V
K3 OFF : -50V
Q4
Q6
Q8
Q10
Q12
D2
C104 1μ50
R106 100
R110 6.8K
C152 100P
C108 100P
MUTE (CENTER)
MUTE (SURROUND)
*C
Q21
Q22
Q23
Q25
Q27
Q29
Q31
D5
Q24
Q26
Q28
Q30
Q32
D6
D15
C203 1μ50
R205 100
C204 1μ50
R206 100
R202 2.2K
R203 4.7K
R204 4.7K
C236 100μ16
R270 3.3K 2W
*K3 ON : 55V
K3 OFF : 47V
*K3 ON : 54V
K3 OFF : 46V
*K3 ON : -52V
K3 OFF : -45V
*K3 ON : -54V
K3 OFF : -46V
*R285 820 1/4W
*R319
*R320
C232 47μ 100
C244 47μ100
C233 47μ100
*C243 47μ100
Q13, 14, 33, 34
IDLE CONTROL
Q15, 16, 35~38
FINAL-TR
Q19, 20, 39, 40
PROTECTION DC DET.
R155 150 1/4W
0.8V
-0.9V
R135 22 1/4W
R137 22 1/4W
R138 22 1/4W
R136 22 1/4W
Q13
Q14
VR1 1K(B)
VR2 1K(B)
Q15
Q16
Q17
Q18
Q19
Q20
D3
D4
CP1 0.33x2 5W
CP2 0.33x2 5W
R139 51K
R140 51K
*K3 ON : 61V
K3 OFF : 53V
*K3 ON : -61V
K3 OFF : -53V
*W200
*W199
R149 30K
R150 30K
1.1V
-0.6V
-1.1V
Q33
Q34
Q35
Q36
Q37
Q38
Q39
Q40
D7
D8
VR3 1K(B)
VR4 1K(B)
CP3 0.33 x 2 5W
CP4 0.33 x 2 5W
R243 8.2K 1/4W
R244 8.2K 1/4W
R241 51K
R242 51K
WH5
+B
CENTER
-B
*W197
*W198
R251 30K
R252 30K
R255 3.9K
R236 10K 1W
PROTECTION VOLTAGE DET.
*K3 ON : 60V
K3 OFF : 53V
Q42
Q43
Q44
D19
D20
R257 47K
R278 15K
C231 220μ6.3
C230 22μ16
C229 4.7μ100
WH6
Rch
GND
Lch
R42 560 2W
R41 560 2W
J1
PHONES
C131 0.01
R55 620
D10
D9
C40 4700P
C39 4700P
C45 0.01
D25
D26
J6
K1
R51 18K 1/4W
R52 18K 1/4W
*C129
*C130
C241 4700P
FRO
SUR
J3
WH4
BLU
BLK
YEL
R56 620
K2
J4
CE
-30.0V
5.7V
13.9V

MODEL NAME	PRODUCT P.	DESTINATION COUNTRY	DESTINATION ABB.	UNIT NAME	C125,126,226	C127,128,228	C243,244	R53,58,59	R55	R285,322	R319,320	C129,130	C341
KA-896	CHINA MADE	U.S.A.	K	X09-4130-10	0.1	NO	YES	NO	YES	YES	560 1/4W	4700P	4.7μ50
		CANADA	P										
KA-996	SINGAPORE/ MALAYSIA MADE	PX	Y	X09-3972-91	0.22	YES	NO	YES	NO	NO	820 1/4W	0.01	4.7μ35
		AUSTRALIA	X	X09-3970-71									
	CHINA MADE	U.S.A.	K	X09-4140-10	0.1	NO							
		CANADA	P										

MODEL NAME	PRODUCT P.	DESTINATION COUNTRY	DESTINATION ABB.	UNIT NAME	Ⓐ	Ⓒ	W43	W197~200	F2	F5	Q48
KA-896	CHINA MADE	U.S.A.	K	X09-4310-10	NO	YES	YES	YES	UL125V6A	UL250V2A	NO
		CANADA	P								
KA-996	SINGAPORE/ MALAYSIA MADE	PX	Y	X09-3972-91	YES	NO	NO	NO	250VT2.5AL	250VT2AL	YES
		AUSTRALIA	X	X09-3970-71	YES	NO	YES				
	CHINA MADE	U.S.A.	K	X09-4140-10	YES	NO	YES	YES	UL125V5A	UL250V2A	
		CANADA	P								

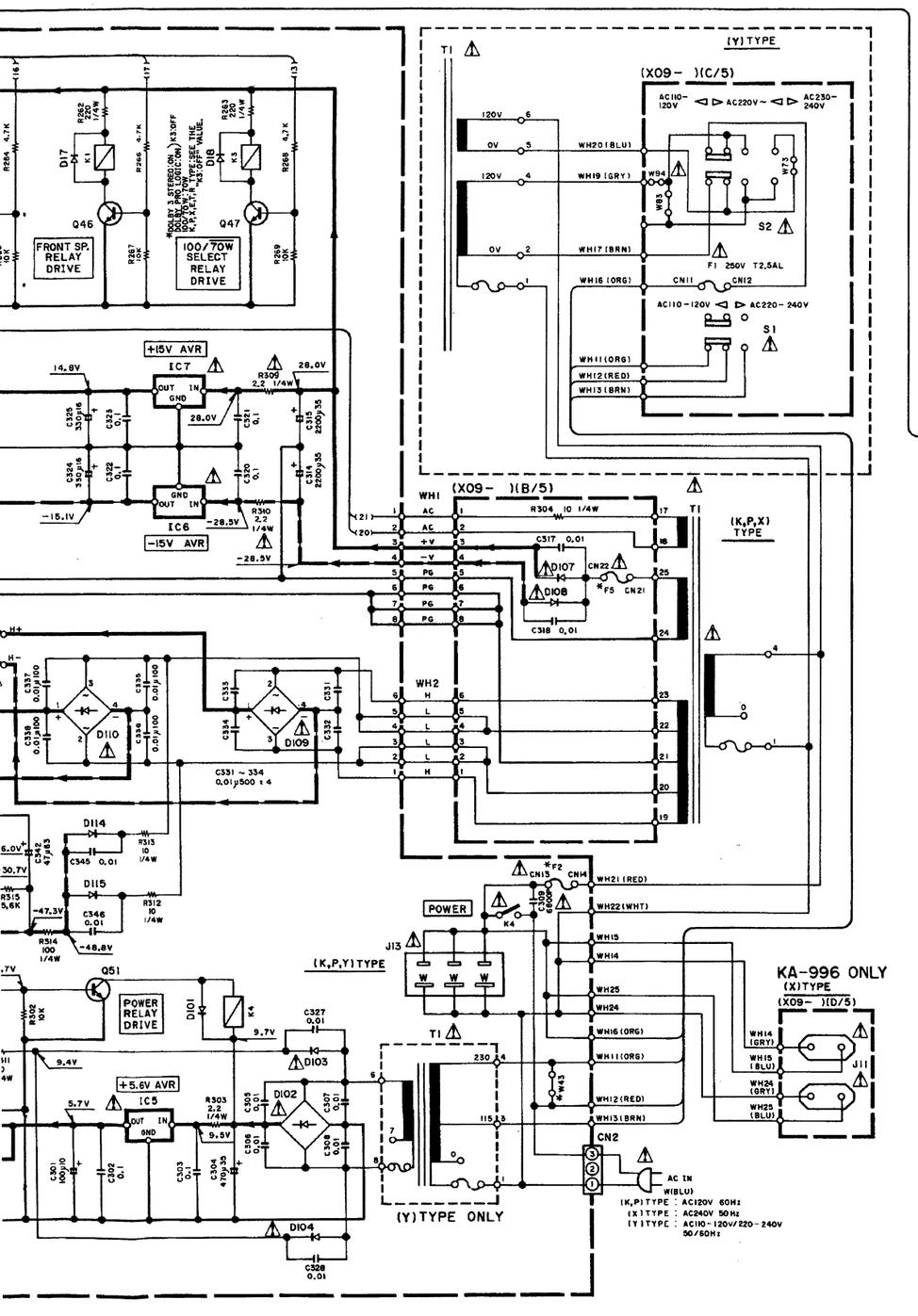
(X09-)(E/5)

KA-896 ONLY

D1~8,16~19,103,104 : 1SS131 or HSS104A
D9,10,13,14,25~30,101 : 1SS133 or HSS104
D15,116 : RD15ES(B2) or HZS15N(B2)
D20 : RD4.7ES(B2) or HZS4.7N(B2)
D102 : KBP02ML-6127
D107,108,114,115 : S5688B or 1SR139-100
D109,110 : D5SBA20F03 or RBV-602LFA
D117 : RD16ES(B2) or HZS16N(B2)

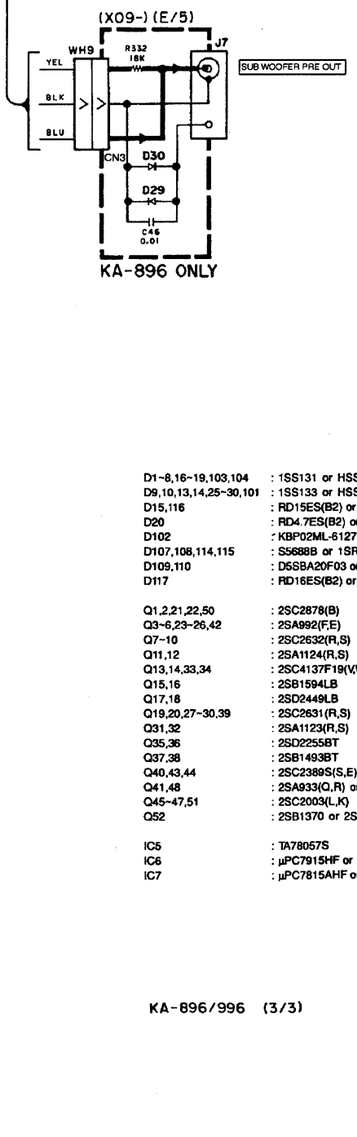
Q1,2,21,22,50 : 2SC2878(B)
Q3~6,23~26,42 : 2SA992(F,E)
Q7~10 : 2SC2632(R,S)
Q11,12 : 2SA1124(R,S)
Q13,14,33,34 : 2SC4137F19(V,W)
Q15,16 : 2SB1594LB
Q17,18 : 2SD2449LB
Q19,20,27~30,39 : 2SC2631(R,S)
Q31,32 : 2SA1123(R,S)
Q35,36 : 2SD2255BT
Q37,38 : 2SB1493BT
Q40,43,44 : 2SC2389S(S,E) or 2SC1845(F,E)
Q41,48 : 2SA933(Q,R) or 2SA1175(F,E)
Q45~47,51 : 2SC2003(L,K)
Q52 : 2SB1370 or 2SB1375

IC5 : TA78057S
IC6 : μPC7915HF or TA79015S
IC7 : μPC7815AHF or TA7815S



MODEL NAME	PRODUCT.P.	DESTINATION COUNTRY	DESTINATION ABB.	UNIT NAME	C125,126, 226	C127,128, 228	C243, 244	R53,58, 59	R55	R285, 322	R319, 320	C129, 130	C341
KA-896	CHINA MADE	U.S.A.	K	X09-4130-10	0.1	NO	YES	NO	YES	YES	560 1/4W	4700P	4.7μ50
KA-996	SINGAPORE/ MALAYSIA MADE	PX	Y	X09-3972-91	0.22	YES	NO	YES	NO	NO	820 1/4W	0.01	4.7μ35
		AUSTRALIA	X	X09-3970-71									
	CHINA MADE	U.S.A.	K	X09-4140-10	0.1	NO							
		CANADA	P										

MODEL NAME	PRODUCT.P.	DESTINATION COUNTRY	DESTINATION ABB.	UNIT NAME	Ⓐ	Ⓒ	W43	W197~ 200	F2	F5	Q48
KA-896	CHINA MADE	U.S.A.	K	X09-4310-10	NO	YES	YES	YES	UL125V6A	UL250V2A	NO
		CANADA	P								
KA-996	SINGAPORE/ MALAYSIA MADE	PX	Y	X09-3972-91	YES	NO	NO	NO	250VT2.5AL	250VT2AL	YES
		AUSTRALIA	X	X09-3970-71	YES	NO	YES				
	CHINA MADE	U.S.A.	K	X09-4140-10	YES	NO	YES	YES	UL125VSA	UL250V2A	
		CANADA	P								



D1~8,16~19,103,104 : 1SS131 or HSS104A
D9,10,13,14,25~30,101 : 1SS133 or HSS104
D15,116 : RD15ES(B2) or HZS15N(B2)
D20 : RD4.7ES(B2) or HZS4.7N(B2)
D102 : KBP02ML-6127
D107,108,114,115 : S5688B or 1SR139-100
D109,110 : D6SBA20F03 or RBV-602LFA
D117 : RD16ES(B2) or HZS16N(B2)

Q1,2,21,22,50 : 2SC2878(B)
Q3~6,23~26,42 : 2SA992(F,E)
Q7~10 : 2SC2632(R,S)
Q11,12 : 2SA1124(R,S)
Q13,14,33,34 : 2SC4137F19(VW)
Q15,16 : 2SB1594LB
Q17,18 : 2SD2449LB
Q19,20,27~30,39 : 2SC2631(R,S)
Q31,32 : 2SA1123(R,S)
Q35,36 : 2SD2255BT
Q37,38 : 2SB1493BT
Q40,43,44 : 2SC2389S(S,E) or 2SC1845(F,E)
Q41,48 : 2SA933(Q,R) or 2SA1175(F,E)
Q45~47,51 : 2SC2003(L,K)
Q52 : 2SB1370 or 2SB1375

IC5 : TA78057S
IC6 : μPC7915HF or TA79015S
IC7 : μPC7815AHF or TA7815S

KA-896/996 (3/3)

CAUTION: *For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.*

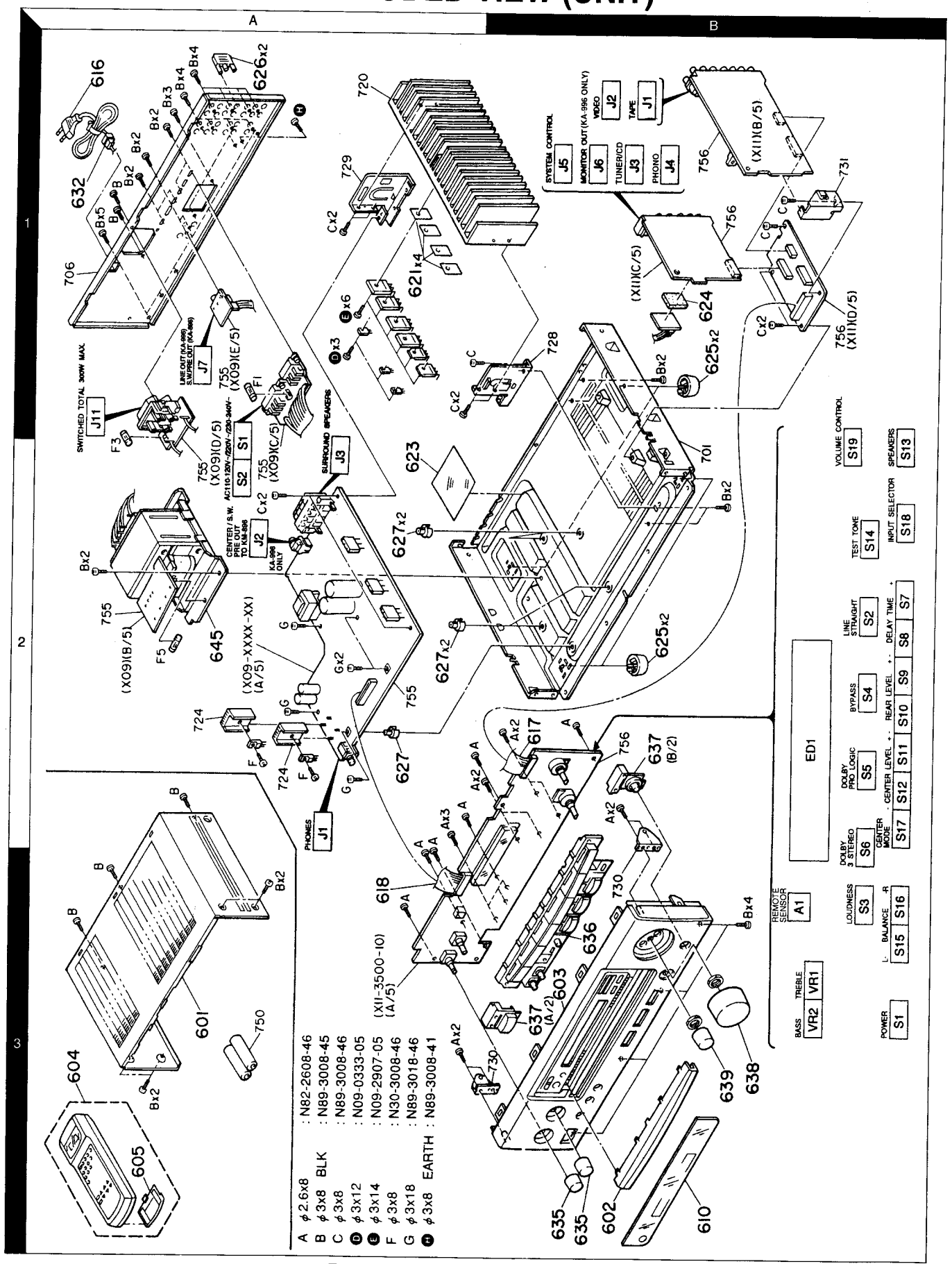
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

Y08-5370-10

KA-896/996

KENWOOD

EXPLODED VIEW (UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

*New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliert.

2

Ref. No	Add-ress	New Parts	Parts No.	Description	Destination	Remarks
-		*	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		* * *	B58-1505-03	CAUTION CARD	K	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-			B60-2088-00	INSTRUCTION MANUAL(EN)	KPYX	
-			B60-2089-00	INSTRUCTION MANUAL(FR)	P	
-		**	B60-2521-00	INSTRUCTION MANUAL(EN)	PYX	
-		**	B60-2522-00	INSTRUCTION MANUAL(FR)	P	
△616	1C		E30-2605-05	AC POWER CORD	Y	
△616	1C		E30-2717-05	AC POWER CORD	X	
△616	1C		E30-2787-05	AC POWER CORD	KP	
△617	2B		E35-0766-05	FLAT CABLE(29P)X11 CN1-X11 CN9	YX	
617	2B		E35-1076-05	FLAT CABLE(29P)X11 CN1-X11 CN9	KP	
618	1A		E35-0767-05	FLAT CABLE(27P)X11 CN2-X09 CN1	YX	
618	1A		E35-1077-05	FLAT CABLE(27P)X11 CN2-X09 CN1	KP	
621	1C		F20-1284-05	INSULATING BOARD		S
623	1B		F20-1393-04	INSULATING SHEET		W
624	2C		G10-0173-04	NON-WOVEN FABRIC	X	S
					YX	W
-		* * *	H50-1779-04	ITEM CARTON CASE	KP	S
-		* * *	H50-1780-04	ITEM CARTON CASE	YX	W
-			H50-1781-04	ITEM CARTON CASE	YX	S
-			H10-5676-02	POLYSTYRENE FOAMED FIXTURE	YX	W
-			H10-5677-02	POLYSTYRENE FOAMED FIXTURE	YX	S
-			H10-5680-02	POLYSTYRENE FOAMED FIXTURE	YX	W
-			H10-5681-02	POLYSTYRENE FOAMED FIXTURE	KP	H
-			H10-5950-02	POLYSTYRENE FOAMED FIXTURE	KP	H
-			H10-5951-02	POLYSTYRENE FOAMED FIXTURE		
-			H11-0066-04	POLYSTYRENE FOAMED BOARD		
-			H13-0147-24	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-1516-04	PROTECTION BAG		
625	2B,2C		J02-0366-15	FOOT	KP	
626	1C		J12-0091-15	PIN	YX	
627	1B		J19-3657-14	UNIT HOLDER	KP	
△632	1C		J42-0083-05	POWER CORD BUSHING	YX	
-		*	J61-0098-05	WIRE BAND	KP	
-			J61-0307-05	WIRE BAND	YX	
635	2A		K29-5838-14	KNOB (BASS/TREBLE)	YX	
635	2A		K29-6070-04	KNOB (BASS/TREBLE)	KP	
636	2A		K29-6068-02	KNOB (SURROUND)	YX	
637	2A,2B		K29-5850-03	KNOB (POWER/SPEAKERS)	KP	
637	2A,2B		K29-6069-03	KNOB (POWER/SPEAKERS)	KP	
638	2A		K29-5851-04	KNOB (VOLUME CONTROL)	YX	
638	2A		K29-6072-04	KNOB (VOLUME CONTROL)	KP	
639	2A		K29-5866-04	KNOB (INPUT SELECTOR)	YX	
639	2A		K29-6071-04	KNOB (INPUT SELECTOR)	KP	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Destination	Remarks
				KA-896		
601	1A	*	A01-3200-01	METALLIC CABINET		
603	2A		A60-0861-01	PANEL		
604	1A		A70-0974-05	REMOTE CONTROLLER ASSY		
605	1A		A09-0170-08	BATTERY COVER		
610	2A	*	B03-2932-13	DRESSING PLATE	K	
-			B46-0092-43	WARRANTY CARD	P	
-			B46-0121-33	WARRANTY CARD	K	
-		*	B58-0964-13	CAUTION CARD (UL)	P	
-			B58-0967-03	CAUTION CARD (P TYPE PL)		
-		* *	B58-1505-03	CAUTION CARD	K	
-		* *	B60-2518-00	INSTRUCTION MANUAL(EN)	P	
-		* *	B60-2519-00	INSTRUCTION MANUAL(FR)	P	
△616	1C		E30-2787-05	AC POWER CORD		
617	2B		E35-1076-05	FLAT CABLE(29P)X11 CN1-X11 CN9		
618	1A		E35-1077-05	FLAT CABLE(27P)X11 CN2-X09-CN1		
621	1C		F20-1284-05	INSULATING BOARD		
-		*	H50-1776-04	ITEM CARTON CASE		
-			H10-5950-02	POLYSTYRENE FOAMED FIXTURE		
-			H10-5951-02	POLYSTYRENE FOAMED FIXTURE		
-			H11-0066-04	POLYSTYRENE FOAMED BOARD		
-			H25-0232-04	PROTECTION BAG (235X350X0.03) 002100		
-			H25-1516-04	PROTECTION BAG		
625	2B,2C		J02-0366-15	FOOT		
626	1C		J12-0091-15	PIN		
627	1B		J19-3657-14	UNIT HOLDER		
△632	1C		J42-0083-05	POWER CORD BUSHING		
-		*	J61-0098-05	WIRE BAND		
635	2A		K29-6070-04	KNOB (BASS/TREBLE)		
636	2A		K29-6068-02	KNOB (SURROUND)		
637	2A,2B		K29-6069-03	KNOB (POWER/SPEAKERS)		
638	2A		K29-6072-04	KNOB (VOLUME CONTROL)		
639	2A		K29-6071-04	KNOB (INPUT SELECTOR)		
△645	1B		L07-1908-05	POWER TRANSFORMER		
				KA-996		
601	1A		A01-3098-11	METALLIC CABINET	YX	
601	1A		A01-3200-01	METALLIC CABINET	KP	
602	2A		A21-1855-03	DRESSING PANEL	KP	
603	2A	*	A60-0864-01	PANEL	KP	
					YX	
604	1A		A70-0961-05	REMOTE CONTROLLER ASSY	YX	
604	1A		A70-1017-05	REMOTE CONTROLLER ASSY	KP	
605	1A		A09-0169-08	BATTERY COVER		
610	2A		B03-2932-13	DRESSING PLATE	KP	

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601	1A		A01-3200-01	METALLIC CABINET		
603	2A	*	A60-0861-01	PANEL		
604	1A		A70-0974-05	REMOTE CONTROLLER ASSY		
605	1A		A09-0170-08	BATTERY COVER		
610	2A		B03-2932-13	DRESSING PLATE		
-		*	B46-0092-43	WARRANTY CARD	K	
-			B46-0121-33	WARRANTY CARD	P	
-			B58-0964-13	CAUTION CARD (UL)	K	
-		*	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		*	B58-1505-03	CAUTION CARD	K	
-		*	B60-2518-00	INSTRUCTION MANUAL(EN)	P	
-		*	B60-2519-00	INSTRUCTION MANUAL(FR)	P	
⚠ 616	1C		E30-2787-05	AC POWER CORD		
617	2B		E35-1076-05	FLAT CABLE(29P)X11 CN1-X11 CN9		
618	1A		E35-1077-05	FLAT CABLE(27P)X11 CN2-X09-CN1		
621	1C		F20-1284-05	INSULATING BOARD		
		*	H50-1776-04	ITEM CARTON CASE		
-			H10-5950-02	POLYSTYRENE FOAMED FIXTURE		
-			H10-5951-02	POLYSTYRENE FOAMED FIXTURE		
-			H11-0066-04	POLYSTYRENE FOAMED BOARD		
-			H25-0232-04	PROTECTION BAG (235X350X0.03) 002100		
-			H25-1516-04	PROTECTION BAG		
625	2B,2C		J02-0366-15	FOOT		
626	1C		J12-0091-15	PIN		
627	1B		J19-3657-14	UNIT HOLDER		
⚠ 632	1C		J42-0083-05	POWER CORD BUSHING		
-		*	J61-0098-05	WIRE BAND		
635	2A		K29-6070-04	KNOB (BASS/TREBLE)		
636	2A		K29-6068-02	KNOB (SURROUND)		
637	2A,2B		K29-6069-03	KNOB (POWER/SPEAKERS)		
638	2A		K29-6072-04	KNOB (VOLUME CONTROL)		
639	2A		K29-6071-04	KNOB (INPUT SELECTOR)		
⚠ 645	1B		L07-1908-05	POWER TRANSFORMER		

KA-996

601	1A		A01-3098-11	METALLIC CABINET	YX	
601	1A		A01-3200-01	METALLIC CABINET	KP	
602	2A		A21-1855-03	DRESSING PANEL	YX	
603	2A	*	A60-0863-01	PANEL	KP	
603	2A	*	A60-0864-01	PANEL	YX	
604	1A		A70-0961-05	REMOTE CONTROLLER ASSY	YX	
604	1A		A70-1017-05	REMOTE CONTROLLER ASSY	KP	
605	1A		A09-0169-08	BATTERY COVER		
610	2A		B03-2932-13	DRESSING PLATE	KP	
610	2A		B03-2948-03	DRESSING PLATE	YX	
-		*	B46-0092-43	WARRANTY CARD	KY	
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-13	CAUTION CARD (UL)	KY	
-		*	B58-0965-13	CAUTION CARD (T,X TYPE)	X	
-			B60-2088-00	INSTRUCTION MANUAL(EN)	KPYX	
-			B60-2089-00	INSTRUCTION MANUAL(FR)	P	
-		*	B60-2521-00	INSTRUCTION MANUAL(EN)	PYX	
-		*	B60-2522-00	INSTRUCTION MANUAL(FR)	P	
⚠ 616	1C		E30-2605-05	AC POWER CORD	Y	
⚠ 616	1C		E30-2717-05	AC POWER CORD	X	
⚠ 616	1C		E30-2787-05	AC POWER CORD	KP	
617	2B		E35-0766-05	FLAT CABLE(29P)X11 CN1-X11 CN9	YX	
617	2B		E35-1076-05	FLAT CABLE(29P)X11 CN1-X11 CN9	KP	
618	1A		E35-0767-05	FLAT CABLE(27P)X11 CN2-X09 CN1	YX	
618	1A		E35-1077-05	FLAT CABLE(27P)X11 CN2-X09 CN1	KP	
621	1C		F20-1284-05	INSULATING BOARD		
623	1B		F20-1393-04	INSULATING SHEET	X	
624	2C		G10-0173-04	NON-WOVEN FABRIC	YX	
		*	H50-1779-04	ITEM CARTON CASE	KP	
		*	H50-1780-04	ITEM CARTON CASE	YX	S
		*	H50-1781-04	ITEM CARTON CASE	YX	W
-			H10-5676-02	POLYSTYRENE FOAMED FIXTURE	YX	S
-			H10-5677-02	POLYSTYRENE FOAMED FIXTURE	YX	W
-			H10-5680-02	POLYSTYRENE FOAMED FIXTURE	YX	S
-			H10-5681-02	POLYSTYRENE FOAMED FIXTURE	YX	W
-			H10-5950-02	POLYSTYRENE FOAMED FIXTURE	KP	H
-			H10-5951-02	POLYSTYRENE FOAMED FIXTURE	KP	H
-			H11-0066-04	POLYSTYRENE FOAMED BOARD		
-			H13-0147-24	CARTON BOARD	X	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-1516-04	PROTECTION BAG		
625	2B,2C		J02-0366-15	FOOT		
626	1C		J12-0091-15	PIN		
627	1B		J19-3657-14	UNIT HOLDER		
⚠ 632	1C		J42-0083-05	POWER CORD BUSHING		
-		*	J61-0098-05	WIRE BAND	KP	
-			J61-0307-05	WIRE BAND	YX	
635	2A		K29-5838-14	KNOB (BASS/TREBLE)	YX	
635	2A		K29-6070-04	KNOB (BASS/TREBLE)	KP	
636	2A		K29-5849-02	KNOB (SURROUND)	YX	
636	2A		K29-6068-02	KNOB (SURROUND)	KP	
637	2A,2B		K29-5850-03	KNOB (POWER/SPEAKERS)	YX	
637	2A,2B		K29-6069-03	KNOB (POWER/SPEAKERS)	KP	
638	2A		K29-5851-04	KNOB (VOLUME CONTROL)	YX	
638	2A		K29-6072-04	KNOB (VOLUME CONTROL)	KP	
639	2A		K29-5866-04	KNOB (INPUT SELECTOR)	YX	
639	2A		K29-6071-04	KNOB (INPUT SELECTOR)	KP	
⚠ 645	1B		L07-0874-05	POWER TRANSFORMER	X	
⚠ 645	1B		L07-0875-05	POWER TRANSFORMER	Y	
⚠ 645	1B		L07-1912-05	POWER TRANSFORMER	KP	

AUDIO UNIT (X09-397X-XX/X09-41X0-10)

C1,2			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		

L : Scandinavia **K** : USA **P** : Canada **S** : Singapore Mode **W** : Malaysia Made
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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C11			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C12			CE04LW1H0R1M	ELECTRO	0.1UF	50WV		
C39,40			CK45FF1H472Z	CERAMIC	4700PF	Z		
C43			CK45FF1H103Z	CERAMIC	0.010UF	Z		9
C45			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C46			CK45FF1H103Z	CERAMIC	0.010UF	Z		8
C101,102			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C103,104			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C105,106			CQ92FM1H102J	MYLAR	1000PF	J		
C107,108			CC45FSL1H101J	CERAMIC	100PF	J		
C109,110			CE04LW0J221M	ELECTRO	220UF	6.3WV		
C111,112			CC45FSL1H680J	CERAMIC	68PF	J		
C113,114			CC45FSL1H020C	CERAMIC	2.0PF	C		
C115,116			CC45FSL1H680J	CERAMIC	68PF	J		
C117,118			CE04LW1C220M	ELECTRO	22UF	16WV		
C119,120			CC45FSL1H221J	CERAMIC	220PF	J		
C121,122			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C123,124			CK45FF1H472Z	CERAMIC	4700PF	Z		
C125-128			CF92FV1H224J	MF-C	0.22UF	J	YX	
C125,126			CQ92FM1H104J	MYLAR	0.10UF	J	KP	
C129,130			CK45FF1H103Z	CERAMIC	0.010UF	Z		9
C129,130			CK45FF1H472Z	CERAMIC	4700PF	Z		8
C131			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C135,136			CE04LW2A470M	ELECTRO	47UF	100WV		
C151,152			CC45FSL1H101J	CERAMIC	100PF	J		
C201,202			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C203			CE04LW1H010M	ELECTRO	1.0UF	50WV		8
C204			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C205			CQ92FM1H102J	MYLAR	1000PF	J		8
C206			CC45FSL1H221J	CERAMIC	220PF	J		
C207			CC45FSL1H101J	CERAMIC	100PF	J		8
C208			CC45FSL1H101J	CERAMIC	100PF	J		
C209			CE04LW0J221M	ELECTRO	220UF	6.3WV		8
C210			CE04LW1A101M	ELECTRO	100UF	10WV		
C211			CC45FSL1H680J	CERAMIC	68PF	J		8
C212			CC45FSL1H680J	CERAMIC	68PF	J		
C213			CC45FSL1H020C	CERAMIC	2.0PF	C		8
C214			CC45FSL1H020C	CERAMIC	2.0PF	C		
C215			CC45FSL1H680J	CERAMIC	68PF	J		8
C216			CC45FSL1H680J	CERAMIC	68PF	J		
C217			CE04LW1C220M	ELECTRO	22UF	16WV		8
C218			CE04LW1C220M	ELECTRO	22UF	16WV		
C219			CC45FSL1H221J	CERAMIC	220PF	J		8
C220			CC45FSL1H221J	CERAMIC	220PF	J		
C221			CK45FF1H103Z	CERAMIC	0.010UF	Z		8
C222			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C223			CK45FF1H472Z	CERAMIC	4700PF	Z		8
C224			CK45FF1H472Z	CERAMIC	4700PF	Z		
C225			CQ92FM1H104J	MYLAR	0.10UF	J		8
C226			CF92FV1H224J	MF-C	0.22UF	J	YX	
C226			CQ92FM1H104J	MYLAR	0.10UF	J	KP	
C228			CF92FV1H224J	MF-C	0.22UF	J	YX	
C229			CE04LW2A4R7M	ELECTRO	4.7UF	100WV		
C230			CE04LW1C220M	ELECTRO	22UF	16WV		
C231			CE04LW0J221M	ELECTRO	220UF	6.3WV		

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4

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C232,233			CE04LW2A470M	ELECTRO	47UF	100WV		
C236			CE04LW1C101M	ELECTRO	100UF	16WV		
C237			CE04LW0J471M	ELECTRO	470UF	6.3WV		
C238			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C239			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		9
C241			CK45FF1H472Z	CERAMIC	4700PF	Z		
C243,244			CE04LW2A470M	ELECTRO	47UF	100WV		8
C251			CC45FSL1H101J	CERAMIC	100PF	J		8
C252			CC45FSL1H101J	CERAMIC	100PF	J		
C301			CE04LW1A101M	ELECTRO	100UF	10WV		
C302,303			CQ92FM1H104J	MYLAR	0.10UF	J		
C304			CE04LW1V471M	ELECTRO	470UF	35WV		
C305-308			CK45FF1H103Z	CERAMIC	0.010UF	Z		
⚠ C309			C91-1488-05	MF	6800PF	250VAC		
C314,315			CE04LW1V222M	ELECTRO	2200UF	35WV		
C317,318			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C320-323			CQ92FM1H104J	MYLAR	0.10UF	J		
C324,325			CE04LW1C331M	ELECTRO	330UF	16WV		
C327,328			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C331-334			CK45FE2H103P	CERAMIC	0.010UF	P		
C335-338			CQ93HP2A103J	MYLAR	0.010UF	J		
C339,340			C90-3579-05	ELECTRO	4700UF	71WV		
C341			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		8
C341			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		9
C342			CE04LW1J470M	ELECTRO	47UF	63WV		
C343			CE04LW1V471M	ELECTRO	470UF	35WV		
C345,346			CK45FF1H103Z	CERAMIC	0.010UF	Z		
CN1	1B		E40-4167-05	FLAT CABLE CONNECTOR(27P)				
⚠ CN2			E40-4245-05	PIN ASSY				
CN3			E40-3238-05	PIN ASSY				8
J1			E11-0127-05	PHONE JACK PHONES			YX	
J1			E11-0272-05	PHONE JACK PHONES			KP	
J2			E63-0090-05	PHONO JACK S.W./CENTER PREOUT			YX	
J2			E63-0135-15	PHONO JACK S.W./CENTER PREOUT			KP	9
J3			E70-0048-05	LOCK TERMINAL BOARD SPEAKERS				
J4			E70-0054-05	LOCK TERMINAL BOARD CENTER SP				8
J7			E63-0072-15	PHONO JACK (2P)LINE OUT			YX	9
J7			E63-0116-05	PHONO JACK (1P)S.WOOFER PREOUT			KP	8
J7			E63-0134-15	PHONO JACK (2P)LINE OUT			KP	9
⚠ J11			E03-0326-05	AC OUTLET			X	
⚠ J13			E03-0148-05	AC OUTLET			KPY	
⚠ F1,2			F05-2525-05	FUSE (SEMKO)	(250V T2.5AL)		Y	
⚠ F2			F04-5022-05	FUSE (UL)	(125V 5A UL)		KP	9
⚠ F2			F05-2525-05	FUSE (SEMKO)	(250V T2.5AL)		X	
⚠ F2			F05-6029-05	FUSE (UL)	(125V 6A)		KP	8
⚠ F5			F04-2025-05	FUSE (UL)	(250V 2A)		KP	
⚠ F5			F06-2021-05	FUSE (SEMKO)	(250V T2AL)		YX	
CN11,12			J13-0075-05	FUSE CLIP			Y	
CN13,14			J13-0075-05	FUSE CLIP				
CN21,22			J13-0075-05	FUSE CLIP				
J8,9			J11-0098-05	WIRE CLAMPER				
⚠ T1			L07-0864-05	POWER TRANSFORMER			KP	
⚠ T1			L07-0865-05	POWER TRANSFORMER			Y	

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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
⚠ T1			L07-0866-05	POWER TRANSFORMER			X	
F	1B		N30-3008-46	PAN HEAD MACHINE SCREW				
CP1,2			R90-0888-05	MULTI-COMP	0.33X2	J 5W		
CP3			R90-0888-05	MULTI-COMP	0.33X2	J 5W		8
CP4			R90-0888-05	MULTI-COMP	0.33X2	J 5W		
R41,42			RS14KB3D561J	FL-PROOF RS	560	J 2W		
R117,118			RD14NB2E221J	RD	220	J 1/4W		
R123,124			RD14NB2E271J	RD	270	J 1/4W		

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6

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
D5			HSS104A	DIODE		8
D5			1SS131	DIODE		8
D6			HSS104A	DIODE		
D6			1SS131	DIODE		
D7			HSS104A	DIODE		8
D7			1SS131	DIODE		8
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
D9,10			HSS104	DIODE		
D9,10			1SS133	DIODE		

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③

Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C11			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C12			CE04LW1H0R1M	ELECTRO	0.1UF	50WV		
C39,40			CK45FF1H472Z	CERAMIC	4700PF	Z		
C43			CK45FF1H103Z	CERAMIC	0.010UF	Z		9
C45			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C46			CK45FF1H103Z	CERAMIC	0.010UF	Z		8
C101,102			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C103,104			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C105,106			CQ92FM1H102J	MYLAR	1000PF	J		
C107,108			CC45FSL1H101J	CERAMIC	100PF	J		
C109,110			CE04LW0J221M	ELECTRO	220UF	6.3WV		
C111,112			CC45FSL1H680J	CERAMIC	68PF	J		
C113,114			CC45FSL1H020C	CERAMIC	2.0PF	C		
C115,116			CC45FSL1H680J	CERAMIC	68PF	J		
C117,118			CE04LW1C220M	ELECTRO	22UF	16WV		
C119,120			CC45FSL1H221J	CERAMIC	220PF	J		
C121,122			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C123,124			CK45FF1H472Z	CERAMIC	4700PF	Z		
C125-128			CF92FV1H224J	MF-C	0.22UF	J	YX	
C125,126			CQ92FM1H104J	MYLAR	0.10UF	J	KP	
C129,130			CK45FF1H103Z	CERAMIC	0.010UF	Z		9
C129,130			CK45FF1H472Z	CERAMIC	4700PF	Z		8
C131			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C135,136			CE04LW2A470M	ELECTRO	47UF	100WV		
C151,152			CC45FSL1H101J	CERAMIC	100PF	J		
C201,202			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C203			CE04LW1H010M	ELECTRO	1.0UF	50WV		8
C204			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C205			CQ92FM1H102J	MYLAR	1000PF	J		8
C206			CC45FSL1H221J	CERAMIC	220PF	J		
C207			CC45FSL1H101J	CERAMIC	100PF	J		8
C208			CC45FSL1H101J	CERAMIC	100PF	J		
C209			CE04LW0J221M	ELECTRO	220UF	6.3WV		8
C210			CE04LW1A101M	ELECTRO	100UF	10WV		
C211			CC45FSL1H680J	CERAMIC	68PF	J		8
C212			CC45FSL1H680J	CERAMIC	68PF	J		
C213			CC45FSL1H020C	CERAMIC	2.0PF	C		8
C214			CC45FSL1H020C	CERAMIC	2.0PF	C		
C215			CC45FSL1H680J	CERAMIC	68PF	J		8
C216			CC45FSL1H680J	CERAMIC	68PF	J		
C217			CE04LW1C220M	ELECTRO	22UF	16WV		8
C218			CE04LW1C220M	ELECTRO	22UF	16WV		
C219			CC45FSL1H221J	CERAMIC	220PF	J		8
C220			CC45FSL1H221J	CERAMIC	220PF	J		
C221			CK45FF1H103Z	CERAMIC	0.010UF	Z		8
C222			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C223			CK45FF1H472Z	CERAMIC	4700PF	Z		8
C224			CK45FF1H472Z	CERAMIC	4700PF	Z		
C225			CQ92FM1H104J	MYLAR	0.10UF	J		8
C226			CF92FV1H224J	MF-C	0.22UF	J	YX	
C226			CQ92FM1H104J	MYLAR	0.10UF	J	KP	
C228			CF92FV1H224J	MF-C	0.22UF	J	YX	
C229			CE04LW2A4R7M	ELECTRO	4.7UF	100WV		
C230			CE04LW1C220M	ELECTRO	22UF	16WV		
C231			CE04LW0J221M	ELECTRO	220UF	6.3WV		

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C232,233			CE04LW2A470M	ELECTRO	47UF	100WV		
C236			CE04LW1C101M	ELECTRO	100UF	16WV		
C237			CE04LW0J471M	ELECTRO	470UF	6.3WV		
C238			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		
C239			CE04HW1H2R2M	NP-ELEC	2.2UF	50WV		9
C241			CK45FF1H472Z	CERAMIC	4700PF	Z		
C243,244			CE04LW2A470M	ELECTRO	47UF	100WV		8
C251			CC45FSL1H101J	CERAMIC	100PF	J		8
C252			CC45FSL1H101J	CERAMIC	100PF	J		
C301			CE04LW1A101M	ELECTRO	100UF	10WV		
C302,303			CQ92FM1H104J	MYLAR	0.10UF	J		
C304			CE04LW1V471M	ELECTRO	470UF	35WV		
C305-308			CK45FF1H103Z	CERAMIC	0.010UF	Z		
⚠ C309			C91-1488-05	MF	6800PF	250VAC		
C314,315			CE04LW1V222M	ELECTRO	2200UF	35WV		
C317,318			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C320-323			CQ92FM1H104J	MYLAR	0.10UF	J		
C324,325			CE04LW1C331M	ELECTRO	330UF	16WV		
C327,328			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C331-334			CK45FE2H103P	CERAMIC	0.010UF	P		
C335-338			CQ93HP2A103J	MYLAR	0.010UF	J		
C339,340			C90-3579-05	ELECTRO	4700UF	71WV		
C341			CE04LW1H4R7M	ELECTRO	4.7UF	50WV		8
C341			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		9
C342			CE04LW1J470M	ELECTRO	47UF	63WV		
C343			CE04LW1V471M	ELECTRO	470UF	35WV		
C345,346			CK45FF1H103Z	CERAMIC	0.010UF	Z		
CN1	1B		E40-4167-05	FLAT CABLE CONNECTOR(27P)				
⚠ CN2			E40-4245-05	PIN ASSY				
CN3			E40-3238-05	PIN ASSY				8
J1			E11-0127-05	PHONE JACK PHONES			YX	
J1			E11-0272-05	PHONE JACK PHONES			KP	
J2			E63-0090-05	PHONO JACK S.W./CENTER PREOUT			YX	
J2			E63-0135-15	PHONO JACK S.W./CENTER PREOUT			KP	9
J3			E70-0048-05	LOCK TERMINAL BOARD SPEAKERS				
J4			E70-0054-05	LOCK TERMINAL BOARD CENTER SP				8
J7			E63-0072-15	PHONO JACK (2P)LINE OUT			YX	9
J7			E63-0116-05	PHONO JACK (1P)S.WOOFER PREOUT			KP	8
J7			E63-0134-15	PHONO JACK (2P)LINE OUT			KP	9
⚠ J11			E03-0326-05	AC OUTLET			X	
⚠ J13			E03-0148-05	AC OUTLET			KPY	
⚠ F1,2			F05-2525-05	FUSE (SEMKO)	(250V T2.5AL)		Y	
⚠ F2			F04-5022-05	FUSE (UL)	(125V 5A UL)		KP	9
⚠ F2			F05-2525-05	FUSE (SEMKO)	(250V T2.5AL)		X	
⚠ F2			F05-6029-05	FUSE (UL)	(125V 6A)		KP	8
⚠ F5			F04-2025-05	FUSE (UL)	(250V 2A)		KP	
⚠ F5			F06-2021-05	FUSE (SEMKO)	(250V T2AL)		YX	
CN11,12			J13-0075-05	FUSE CLIP			Y	
CN13,14			J13-0075-05	FUSE CLIP				
CN21,22			J13-0075-05	FUSE CLIP				
J8,9			J11-0098-05	WIRE CLAMPER				
⚠ T1			L07-0864-05	POWER TRANSFORMER			KP	
⚠ T1			L07-0865-05	POWER TRANSFORMER			Y	

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⚠ T1			L07-0866-05	POWER TRANSFORMER			X	
F	1B		N30-3008-46	PAN HEAD MACHINE SCREW				
CP1,2			R90-0888-05	MULTI-COMP	0.33X2	J 5W		
CP3			R90-0888-05	MULTI-COMP	0.33X2	J 5W		8
CP4			R90-0888-05	MULTI-COMP	0.33X2	J 5W		
R41,42			RS14KB3D561J	FL-PROOF RS	560	J 2W		
R117,118			RD14NB2E221J	RD	220	J 1/4W		
R123,124			RD14NB2E271J	RD	270	J 1/4W		
R125,126			RD14NB2E221J	RD	220	J 1/4W		
R135-138			RD14NB2E220J	RD	22	J 1/4W		
R141,142			RD14NB2E822J	RD	8.2K	J 1/4W		
R145,146			RS14KB3D100J	FL-PROOF RS	10	J 2W		
R155			RD14NB2E151J	RD	150	J 1/4W		
R217			RD14NB2E221J	RD	220	J 1/4W		8
R218			RD14NB2E221J	RD	220	J 1/4W		
R223			RD14NB2E271J	RD	270	J 1/4W		8
R224			RD14NB2E271J	RD	270	J 1/4W		
R225			RD14NB2E221J	RD	220	J 1/4W		8
R226			RD14NB2E221J	RD	220	J 1/4W		
R236			RS14KB3A103J	FL-PROOF RS	10K	J 1W		
R237			RD14NB2E220J	RD	22	J 1/4W		8
R238			RD14NB2E220J	RD	22	J 1/4W		
R239			RD14NB2E220J	RD	22	J 1/4W		8
R240			RD14NB2E220J	RD	22	J 1/4W		
R243			RD14NB2E822J	RD	8.2K	J 1/4W		8
R244			RD14NB2E822J	RD	8.2K	J 1/4W		
R247			RS14KB3D100J	FL-PROOF RS	10	J 2W		8
R248			RS14KB3D100J	FL-PROOF RS	10	J 2W		
R270			RS14KB3D332J	FL-PROOF RS	3.3K	J 2W		
R285			RD14NB2E821J	RD	820	J 1/4W		8
R303			RD14NB2E2R2J	RD	2.2	J 1/4W		
R304			RD14NB2E100J	RD	10	J 1/4W		
⚠ R307,308			RD14NB2E4R7J	RD	4.7	J 1/4W		
⚠ R309,310			RD14NB2E2R2J	RD	2.2	J 1/4W		
R312,313			RD14NB2E100J	RD	10	J 1/4W		
R314			RD14NB2E101J	RD	100	J 1/4W		
R319,320			RD14NB2E561J	RD	560	J 1/4W		8
R319,320			RD14NB2E821J	RD	820	J 1/4W		9
R321			RD14NB2E151J	RD	150	J 1/4W		
R322			RD14NB2E821J	RD	820	J 1/4W		8
VR1,2			R12-1616-05	TRIMMING POT.(1K)				
VR3			R12-1616-05	TRIMMING POT.(1K)				8
VR4			R12-1616-05	TRIMMING POT.(1K)				
K1			S51-2078-05	MAGNETIC RELAY				
K1			S51-2092-05	MAGNETIC RELAY				
K2			S76-0005-05	MAGNETIC RELAY				
⚠ K3			S76-0016-05	MAGNETIC RELAY				
⚠ K3			S76-0017-05	MAGNETIC RELAY				
⚠ K4			S76-0002-05	MAGNETIC RELAY				
⚠ S1,2			S62-0001-05	SLIDE SWITCH	110-/220-/230		Y	
D1-4			HSS104A	DIODE				
D1-4			1SS131	DIODE				

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D5			HSS104A	DIODE		8
D5			1SS131	DIODE		8
D6			HSS104A	DIODE		
D6			1SS131	DIODE		
D7			HSS104A	DIODE		8
D7			1SS131	DIODE		8
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
D9,10			HSS104	DIODE		
D9,10			1SS133	DIODE		
D13,14			HSS104	DIODE		
D13,14			1SS133	DIODE		
D15			HZS15N(B2)	ZENER DIODE		
D15			RD15ES(B2)	ZENER DIODE		
D16-19			HSS104A	DIODE		
D16-19			1SS131	DIODE		
D20			HZS4.7N(B)	ZENER DIODE		
D20			RD4.7ES(B)	ZENER DIODE		
D25,26			HSS104	DIODE		
D25,26			1SS133	DIODE		
D27,28			HSS104	DIODE		9
D27,28			1SS133	DIODE		9
D29,30			HSS104	DIODE		
D29,30			1SS133	DIODE		
D101			HSS104	DIODE		
D101			1SS133	DIODE		
D102			KBP02ML-6127	DIODE		
D103,104			HSS104A	DIODE		
D103,104			1SS131	DIODE		
⚠ D107,108			S5688B	DIODE		
⚠ D107,108			1SR139-100	DIODE		
D109,110			D5SBA20F03	DIODE		
D109,110			RBV-602LFA	DIODE		
D114,115			S5688B	DIODE		
D114,115			1SR139-100	DIODE		
D116			HZS15N(B2)	ZENER DIODE		
D116			RD15ES(B2)	ZENER DIODE		
D117			HZS16N(B2)	ZENER DIODE		
D117			RD16ES(B2)	ZENER DIODE		
IC5			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
IC6			TA79015S	IC(VOLTAGE REGULATOR/-15V)		
IC6			UPC7915HF	IC(VOLTAGE REGULATOR/-15V)		
IC7			TA7815S	IC(VOLTAGE REGULATOR/ +15V)		
IC7			UPC7815AHF	IC(VOLTAGE REGULATOR/ +15V)		
Q1,2			2SC2878(B)	TRANSISTOR		
Q3-6			2SA992(F,E)	TRANSISTOR		
Q7-10			2SC2632(R,S)	TRANSISTOR		
Q11,12			2SA1124(R,S)	TRANSISTOR		
Q13,14			2SC4137F19(V,W)	TRANSISTOR		
Q15,16			2SB1594LB	TRANSISTOR		
⚠ Q17,18			2SD2449LB	TRANSISTOR		
Q19,20			2SC2631(R,S)	TRANSISTOR		
Q21,22			2SC2878(B)	TRANSISTOR		
Q23			2SA992(F,E)	TRANSISTOR		
Q24			2SA992(F,E)	TRANSISTOR		8

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Q25			2SA992(F,E)	TRANSISTOR				8
Q26			2SA992(F,E)	TRANSISTOR				
Q27			2SC2631(R,S)	TRANSISTOR				8
Q28			2SC2631(R,S)	TRANSISTOR				
Q29			2SC2631(R,S)	TRANSISTOR				8
Q30			2SC2631(R,S)	TRANSISTOR				
Q31			2SA1123(R,S)	TRANSISTOR				8
Q32			2SA1123(R,S)	TRANSISTOR				
Q33			2SC4137F19(V,W)	TRANSISTOR				8
Q34			2SC4137F19(V,W)	TRANSISTOR				
⚠ Q35			2SD2255BT	TRANSISTOR				8
Q36			2SD2255BT	TRANSISTOR				
⚠ Q37			2SB1493BT	TRANSISTOR				8
Q38			2SB1493BT	TRANSISTOR				
Q39			2SC2631(R,S)	TRANSISTOR				8
Q40			2SC1845(F,E)	TRANSISTOR				
Q40			2SC2389S(S,E)	TRANSISTOR			KP	
Q41			2SA1175(F,E)	TRANSISTOR				
Q41			2SA933S(Q,R)	TRANSISTOR				
Q42			2SA992(F,E)	TRANSISTOR				
Q43,44			2SC1845(F,E)	TRANSISTOR				
Q43,44			2SC2389S(S,E)	TRANSISTOR			KP	
Q45-47			2SC2003(L,K)	TRANSISTOR				
Q48			2SA1175(F,E)	TRANSISTOR				9
Q48			2SA933S(Q,R)	TRANSISTOR				9
Q50			2SC2878(B)	TRANSISTOR				9
Q51			2SC2003(L,K)	TRANSISTOR				
Q52			2SB1370	TRANSISTOR				
Q52			2SB1375	TRANSISTOR				
CONTROL UNIT (X11-35XX-1X)								
D317			B30-2461-05	LED(RED)				
C1,2			CC45FSL1H331J	CERAMIC	330PF	J		
C3,4			CE04LW1V100M	ELECTRO	10UF	35WV		
C5,6			CC45FSL1H221J	CERAMIC	220PF	J		
C7,8			CE04LW1A101M	ELECTRO	100UF	10WV		
C9,10			CC45FSL1H221J	CERAMIC	220PF	J		
C11,12			CQ92FM1H332J	MYLAR	3300PF	J		
C13,14			CF92FV1H123J	MF-C	0.012UF	J		
C15,16			CE04LW1V100M	ELECTRO	10UF	35WV		
C17,18			CE04LW1V220M	ELECTRO	22UF	35WV		
C37,38			CE04LW1V100M	ELECTRO	10UF	35WV		
C39,40			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C43			CE04LW1V100M	ELECTRO	10UF	35WV		
C46-48			CE04LW1V100M	ELECTRO	10UF	35WV		
C51,52			CE04LW1V100M	ELECTRO	10UF	35WV		
C53,54			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C55,56			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C59,60			CF92FV1H104J	MF-C	0.10UF	J		
C61,62			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C63,64			C90-3244-05	ELECTRO	10UF	35WV		
C65,66			CC45FSL1H221J	CERAMIC	220PF	J		
C67,68			CF92FV1H563J	MF-C	0.056UF	J		
C71,72			CK45FB1H561K	CERAMIC	560PF	K		
C73-76			C90-3244-05	ELECTRO	10UF	35WV		

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C77,78			CF92FV1H393J	MF-C	0.039UF	J		
C100			CE04LW1E470M	ELECTRO	47UF	25WV		
C101			CQ92FM1H104J	MYLAR	0.10UF	J		
C102-106			CE04LW1E470M	ELECTRO	47UF	25WV		
C107,108			CK45FF1H103Z	CERAMIC	0.010UF	Z		9
C109,110			CE04LW1E101M	ELECTRO	100UF	25WV		9
C111,112			CF92FV1H104J	MF-C	0.10UF	J		
C113-118			CE04LW1E470M	ELECTRO	47UF	25WV		
C119,120			C90-3244-05	ELECTRO	10UF	35WV		
C151			CC45FSL1H101J	CERAMIC	100PF	J		9
C152,153			CE04LW1A471M	ELECTRO	470UF	10WV		9
C154			CC45FSL1H101J	CERAMIC	100PF	J		9
C175,176			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C177,178			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C179,180			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C201			C90-1827-05	ELECTRO	0.047F	5.5WV	YX	
C201			C90-3567-05	ELECTRO	0.047F	5.5WV	KP	
C202			C90-3222-05	ELECTRO	100UF	10WV		
C203			C90-3253-05	ELECTRO	1.0UF	50WV		
C204			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C205,206			CF92FV1H104J	MF-C	0.10UF	J		
C207,208			C91-0749-05	CERAMIC	220PF	K		
C209			CK45FB1H102K	CERAMIC	1000PF	K		
C210-212			CC45FSL1H101J	CERAMIC	100PF	J		
C213			CC45FSL1H221J	CERAMIC	220PF	J		
C214			CK45FB1H102K	CERAMIC	1000PF	K		
C215			CC45FSL1H221J	CERAMIC	220PF	J		
C216-219			C91-0085-05	CERAMIC	0.022UF	N		
C220			C90-3253-05	ELECTRO	1.0UF	50WV		
C221,222			CC45FSL1H221J	CERAMIC	220PF	J		
C223			CF92FV1H104J	MF-C	0.10UF	J		
C224			C90-3258-05	ELECTRO	10UF	50WV		
C225-229			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C230			CC45FSL1H221J	CERAMIC	220PF	J		
C231,232			C91-0749-05	CERAMIC	220PF	K		
C233			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C301-304			CE04LW1E470M	ELECTRO	47UF	25WV		
C309			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C310			CE04LW1C221M	ELECTRO	220UF	16WV		
C313			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C314			CE04LW1C221M	ELECTRO	220UF	16WV		
C315			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C316			CF92FV1H104J	MF-C	0.10UF	J		
C317			CF92FV1H105J	MF-C	1.0UF	J		
C318			CQ92FM1H333J	MYLAR	0.033UF	J		
C319			CF92FV1H152J	MF-C	1500PF	J		
C320			CQ92FM1H333J	MYLAR	0.033UF	J		
C321			CE04LW1V100M	ELECTRO	10UF	35WV		
C322			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C323			CF92FV1H154J	MF-C	0.15UF	J		
C324			CE04LW1H3R3M	ELECTRO	3.3UF	50WV		
C325			CF92FV1H154J	MF-C	0.15UF	J		
C326			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C327			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C328			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		

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Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
C329			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C330,331			CF92FV1H104J	MF-C 0.10UF J		
C332			CE04LW1E470M	ELECTRO 47UF 25WV		
C333			CF92FV1H474J	MF-C 0.47UF J		
C334			CE04LW1V100M	ELECTRO 10UF 35WV		
C335			CF92FV1H394J	MF-C 0.39UF J		
C336,337			CE04LW1V100M	ELECTRO 10UF 35WV		
C338			CK45FB1H681K	CERAMIC 680PF K		
C339			CF92FV1H154J	MF-C 0.15UF J		
C340			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C341			CF92FV1H154J	MF-C 0.15UF J		
C342			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C343			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C344			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C345			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C346,347			CF92FV1H104J	MF-C 0.10UF J		
C348,349			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C350			CE04LW1C221M	ELECTRO 220UF 16WV		
C351-354			CE04LW1V100M	ELECTRO 10UF 35WV		
C355			CE04LW1C221M	ELECTRO 220UF 16WV		
C356			CF92FV1H473J	MF-C 0.047UF J		
C357			CF92FV1H223J	MF-C 0.022UF J		
C358			CK45FF1H103Z	CERAMIC 0.010UF Z		
C359			CK45FF1H103Z	CERAMIC 0.010UF Z		9
C360-362			CK45FF1H103Z	CERAMIC 0.010UF Z		
C363,364			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C365			CQ92FM1H104J	MYLAR 0.10UF J		
C366			CK45FF1H103Z	CERAMIC 0.010UF Z		
CN1	2B		E40-4209-05	FLAT CABLE CONNECTOR(29P)		
CN2	1A		E40-4207-05	FLAT CABLE CONNECTOR(27P)		
CN3	2C		E40-4273-05	SOCKET FOR PIN ASSY		
CN4	2C		E40-4257-05	PIN ASSY		
CN5	2C		E40-4267-05	SOCKET FOR PIN ASSY		
CN6	2C		E40-4263-05	PIN ASSY		
CN7	2C		E40-4273-05	SOCKET FOR PIN ASSY		
CN8			E40-4263-05	PIN ASSY		
CN9	2C		E40-4169-05	FLAT CABLE CONNECTOR(29P)		
J1			E63-0047-15	PHONO JACK (6P)TAPE/ADAPTER	YX	
J1			E63-0139-15	PHONO JACK (6P)TAPE/ADAPTER	KP	
J2			E63-0070-15	PHONO JACK (8P)V1/V2/ADPT OUT	YX	
J2			E63-0141-15	PHONO JACK (8P)V1/V2/ADPT OUT	KP	
J3			E63-0046-15	PHONO JACK (4P)TUNER/CD	YX	
J3			E63-0136-15	PHONO JACK (4P)TUNER/CD	KP	
J4			E63-0068-15	PHONO JACK (2P)PHONO	YX	
J4			E63-0133-15	PHONO JACK (2P)PHONO	KP	
J5			E11-0188-05	MINIATURE PHONE JACK(2P)S.CONT		
J6			E63-0069-15	PHONO JACK (4P)MONITOR OUT	YX	9
J6			E63-0138-15	PHONO JACK (4P)MONITOR OUT	KP	9
X1			L78-0294-05	RESONATOR (10.000M)		
X2			L78-0290-05	RESONATOR (8MHz)		
CP1			R90-0816-05	MULTI-COMP 47K X7		
CP2			R90-0487-05	MULTI-COMP 47KX4 J 1/6W		
R101-104			RD14NB2E681J	RD 680 J 1/4W		9
R113			RS14KB3D220J	FL-PROOF RS 22 J 2W		

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R319			RN14BK2C3902F	RN 39.0K F 1/6W		
VR1,2			R10-5076-05	POTENTIOMETER(100K X2)		
S1-17			S40-1064-05	PUSH SWITCH		
S18			T99-0547-05	SPEED DETECTOR(INPUT SELECTOR)		
S19			T99-0548-05	SPEED DETECTOR(VOLUME CONTROL)		
D201-203			HSS104	DIODE		
D201-203			1SS133	DIODE		
D204-205			HSS104	DIODE		9
D204-205			1SS133	DIODE		9
D206-224			HSS104	DIODE		
D206-224			1SS133	DIODE		
D301,302			HSS104	DIODE		
D301,302			1SS133	DIODE		
D303,304			HSS104	DIODE		9
D303,304			1SS133	DIODE		9
D305-310			HSS104	DIODE		
D305-310			1SS133	DIODE		
D311,312			HZS5.1N(B2)	ZENER DIODE		9
D311,312			RD5.1ES(B2)	ZENER DIODE		9
D313,314			HSS104	DIODE		
D313,314			1SS133	DIODE		
D315			HZS10N(B2)	ZENER DIODE		
D315			RD10ES(B2)	ZENER DIODE		
D316			HZS5.6N(B2)	ZENER DIODE		
D316			RD5.6ES(B2)	ZENER DIODE		
D318-321			HZS13N(B2)	ZENER DIODE		
D318-321			RD13ES(B2)	ZENER DIODE		
ED1			FIP11SM8R	INDICATOR TUBE		
IC1			NJM4580D-D	IC(OP AMP X2)		
IC2			NJM2058D	IC(OP AMP X4)		
IC3			NJM4580L	IC(OP AMP X2)		
IC4,5			NJM4558D	ANALOGUE IC		
IC6,7			NJM4580D	IC(OP AMP X2)		
IC8			NJM4580L	IC(OP AMP X2)		
IC9			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC10			NJM4580L	IC(OP AMP X2)		
IC11			TC9215P	IC(ANALOG SWITCH X 6)		
IC12			NJM2279D	IC(VIDEO IC)		9
IC13			NJU7313AL	ANALOGUE IC		
IC13			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC14			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC15			LV1011	DI BI-POLAR IC		
IC16			TC9212P	IC(ELECTRICAL VOLUME)		
IC17			TC9215P	IC(ANALOG SWITCH X 6)		
IC18			CXP82320-162Q	MI-COM IC		
IC19			S-80740AL	ANALOGUE IC		
IC20			TC9215P	IC(ANALOG SWITCH X 6)		
Q1-4			2SC1740S(Q,R)	TRANSISTOR		
Q1-4			2SC2785(F,E)	TRANSISTOR		
Q5			2SD2012	TRANSISTOR		
Q5			2SD2061(E,F)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1188-05	ELECTRIC CIRCUIT MODULE		

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SPECIFICATIONS

KA-896

AUDIO section

Rated power output (FTC)
STEREO MODE

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion.

SURROUND MODE

Front

70 watts per channel minimum RMS, both channels driven, at 8 Ω 1 kHz with no more than 0.9% total harmonic distortion.

Center

70 watts at 8 Ω 1 kHz with no more than 0.9% total harmonic distortion.

Rear

20 watts per channel minimum RMS, both channels driven, at 8 Ω 1 kHz with no more than 0.9% total harmonic distortion.

Total harmonic distortion
.....0.06 % (20 Hz ~ 20,000 Hz, 50 W, 8 Ω)
.....0.03 % (1 kHz, 50 W, 8 Ω)
Frequency response
LINE (CD, TAPE, VIDEO)..20 Hz ~ 60 kHz, +0 dB, -3 dB
PHONO"RIAA"response .....20 Hz ~ 20 kHz, ±0.5 dB
Maximum input level
PHONO (MM).....120 mV, 0.5 % T.H.D. at 1 kHz
Signal to noise ratio (IHF'66)
PHONO (MM).....75 dB
LINE (CD, TAPE, VIDEO) .....95 dB
Input sensitivity / impedance
PHONO (MM) .....3.5 mV / 47 kΩ
LINE (CD, TAPE, VIDEO).....200 mV /47 kΩ
ADAPTOR IN.....200 mV /47 kΩ
Tone control
BASS.....±10 dB (at 100Hz)
TREBLE .....±10 dB (at 10 kHz)
Loudness control
(VOLUME at -30 dB level).....+8 dB (100 Hz)
Output level / impedance
TAPE REC.....200 mV / 1 kΩ
ADAPTOR OUT.....200 mV / 1 kΩ

General

Power consumption .....2.5 A
AC outlets
SWITCHED.....2 (Total 400 W ,3.3A max.)
Dimensions.....W : 440 mm (17-5/16")
.....H : 143 mm (5-5/8")
.....D : 300 mm (11 13/16")
Weight (Net) .....9.3 kg (20.5 lb)

KA-996

AUDIO section

Rated power output (FTC)
STEREO MODE

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 20 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion.

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20 watts per channel minimum RMS, both channels driven, at 8 Ω 1 kHz with no more than 0.9% total harmonic distortion.

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Frequency response
LINE (CD, TAPE, VIDEO)..20 Hz ~ 60 kHz, +0 dB, -3 dB
PHONO"RIAA" response .....20 Hz ~ 20 kHz, ±0.5 dB
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PHONO (MM).....120 mV, 0.5 % T.H.D. at 1 kHz
Signal to noise ratio (IHF'66)
PHONO (MM).....75 dB
LINE (CD, TAPE, VIDEO) .....95 dB
Input sensitivity / impedance
PHONO (MM) .....3.5 mV / 47 kΩ
LINE (CD, TAPE, VIDEO).....200 mV /47 kΩ
ADAPTOR IN.....200 mV /47 kΩ
Tone control
BASS.....±10 dB (at 100Hz)
TREBLE .....±10 dB (at 10 kHz)
Loudness control
(VOLUME at -30 dB level).....+8 dB (100 Hz)
Output level / impedance
TAPE REC.....200 mV / 1 kΩ
ADAPTOR OUT.....200 mV / 1 kΩ

VIDEO section

Input level / impedance
VIDEO (composite) .....1V p-p / 75 Ω
Input (VIDEO 1, VIDEO 2)
Output level / impedance
VIDEO (composite) .....1V p-p / 75 Ω
Output (VIDEO 1, MONITOR OUT)

General

Power consumption
For the U.S.A.and Canada .....2.3 A
For other countries .....210 W
AC outlets
For the U.S.A.and Canada
SWITCHED ..... 2 (Total 400 W,3.3A max.)
For other countries
SWITCHED ..... 2 (Total 300 W max.)
Dimensions.....W : 440 mm (17-5/16")
.....H : 143 mm (5-5/8")
.....D : 300 mm (11 13/16")
Weight (Net) .....9.3 kg (20.5 lb)

KA-896/996

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:
Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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